

ALASKA RESOURCES LIBRARY
Bureau of Land Management

FOREST INSECT AND DISEASE REPORT
FOR ALASKA - 1990

BLM

SB
761
F67
1990

BLM - ALASKA RESOURCES LIBRARY
SB761 F67 1990
Forest insect and disease report for Ala
3 0455 0003 7478 5

9/19

BUREAU OF LAND MANAGEMENT
ALASKA STATE OFFICE
222 W. 7TH AVENUE, #13
ANCHORAGE, ALASKA 99513-7599

5800 (933)
June 11, 1991

Information Bulletin No. AK 91-208

To: DMs, DSDs, SCs, M-AFS

From: State Director, Alaska

Subject: Forest Insect and Disease Report for Alaska - 1990

The attached maps are the results of the 1990 aerial insect and disease survey conducted in the summer of 1990. Those sections related to southeast Alaska where the BLM has little or no ownership have not been included. The report notes that forest insect populations and their related damage increased significantly in Alaska's forests in 1990. Two consecutive years with warm, dry springs and summers allowed insect populations to explode. The report notes that, "This increase was especially apparent in southcentral and interior Alaska." Thus far the 1991 pattern would appear to be similar, especially in the interior.

The spruce bark beetle infestations continued to increase dramatically in 1990. On-going and new infestations now cover over 245,00 acres in southcentral and interior Alaska. Areas of significant increases were noted in the Copper River area around Chitina as well as on the southern portion of the Kenai Peninsula. The Yukon River outbreak has decreased by half in 1990. However, the Tiekkel River outbreak increased in intensity again, with 25,000 acres infested along the Tiekkel River north to Pump Station 12. Other insect infestations which may come to your attention include the large aspen tortrix which has affected about 4,700 acres around Glennallen-Willow Lake, 6500 acres west of Eagle along the Yukon River, and 10,000 acres around Nabesna. While the defoliation of aspen can be dramatic, it is rarely fatal to the trees.

The Interagency Forest Pest Management group is scheduled to be in Alaska, July 15 through July 19, 1991. The purpose of their trip is to: 1) Get an updated understanding of regionally important forest pest and forest management issues facing the Forest Service and the Department of the Interior and, 2) Review the extent and need for interagency cooperation on issues of mutual interest. Their initial intent is to look at the problems of the coastal forests in and around Anchorage and the Kenai peninsula, and then to travel to Fairbanks. They are soliciting participation and concerns of all land managers.

SB
761
F67
1990

If you have any questions, comments, or concerns for the interagency group, or wish to participate in their discussions, contact Russ Hanson, (FTS) 868-5873.



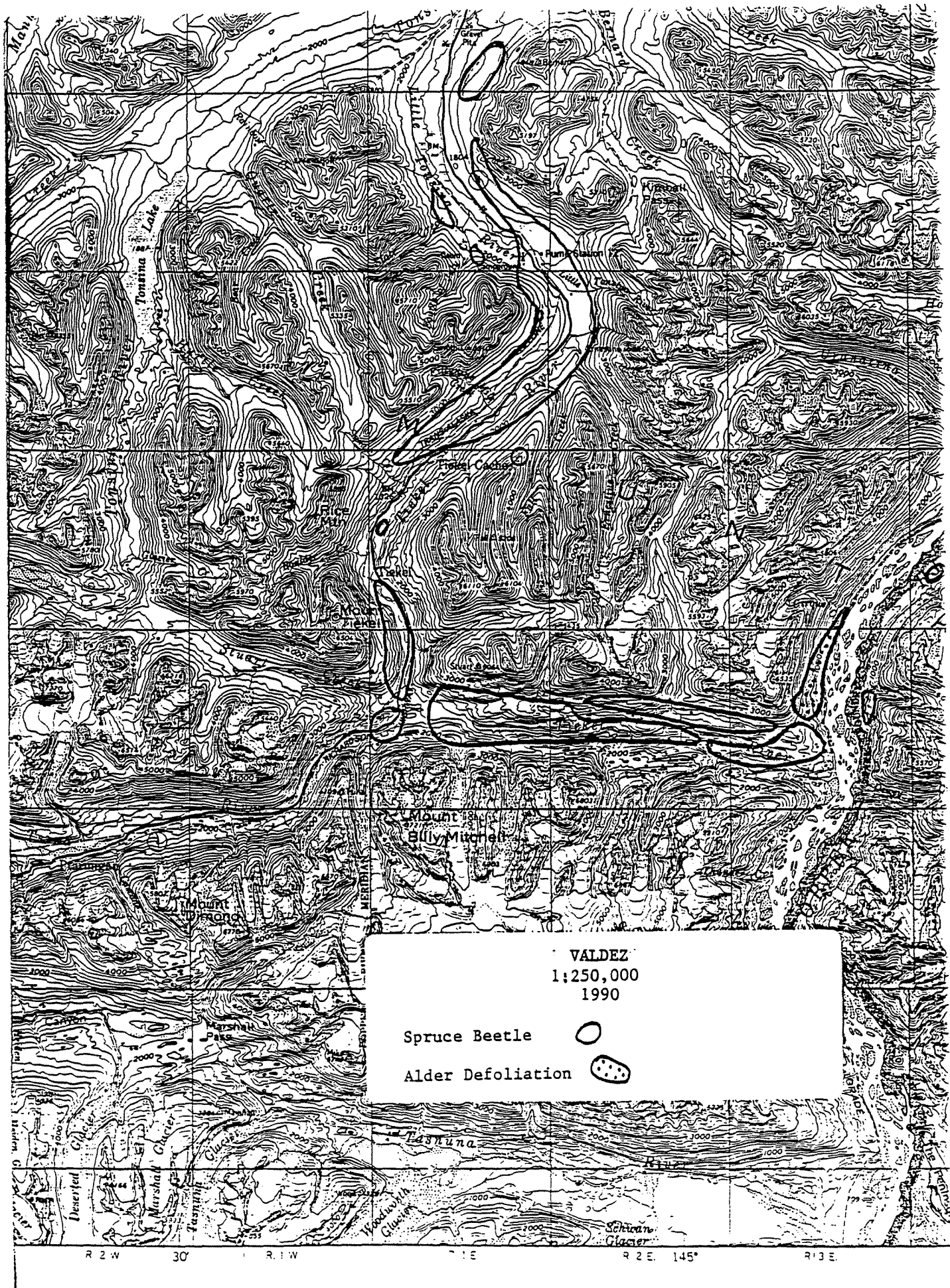
Edward F. Spang
State Director, Alaska

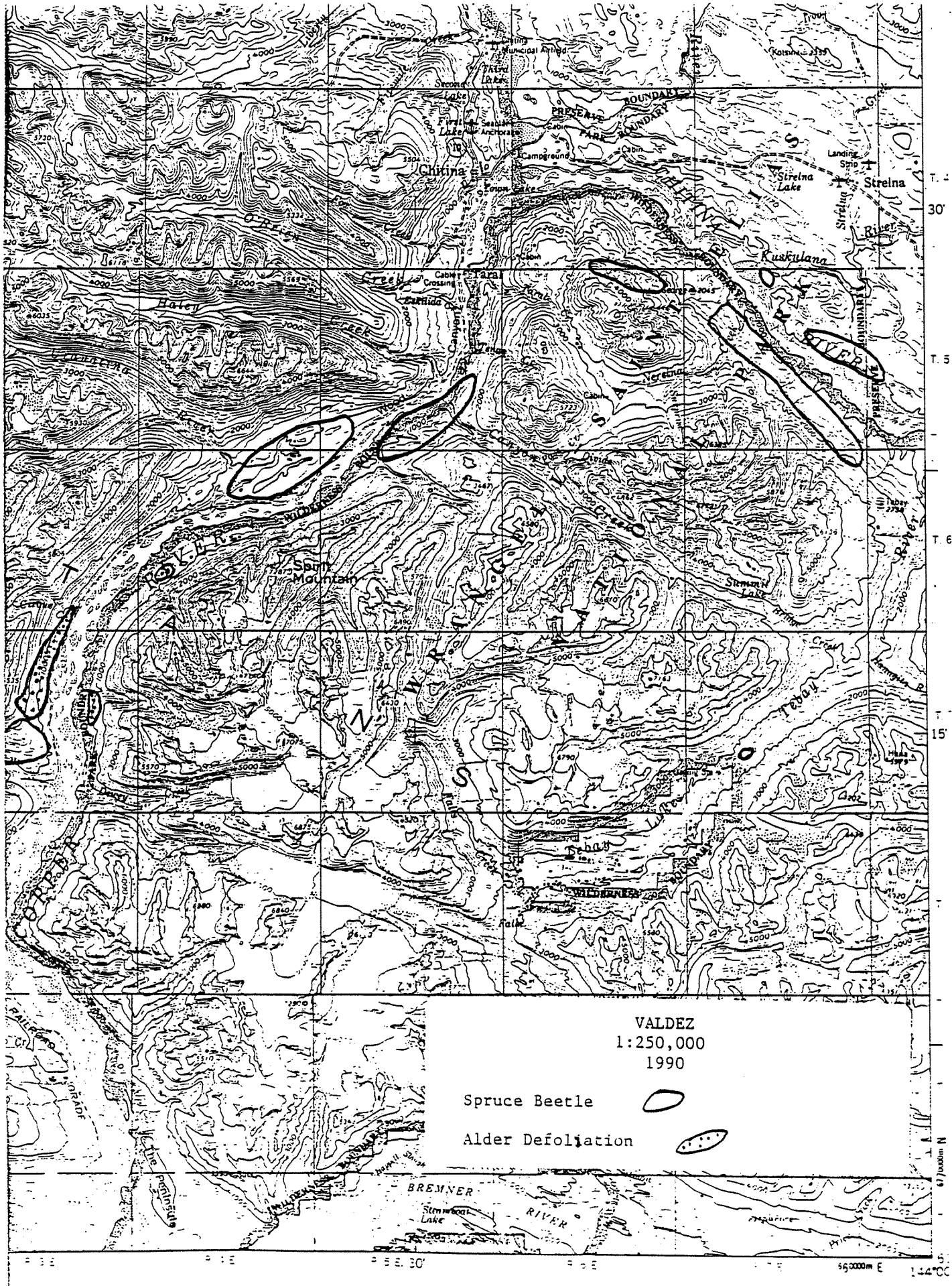
Attachment
1990 Aerial Insect and Disease Maps (53 pp.)

INTERIOR

ALASKA

1990





VALDEZ
1:250,000
1990

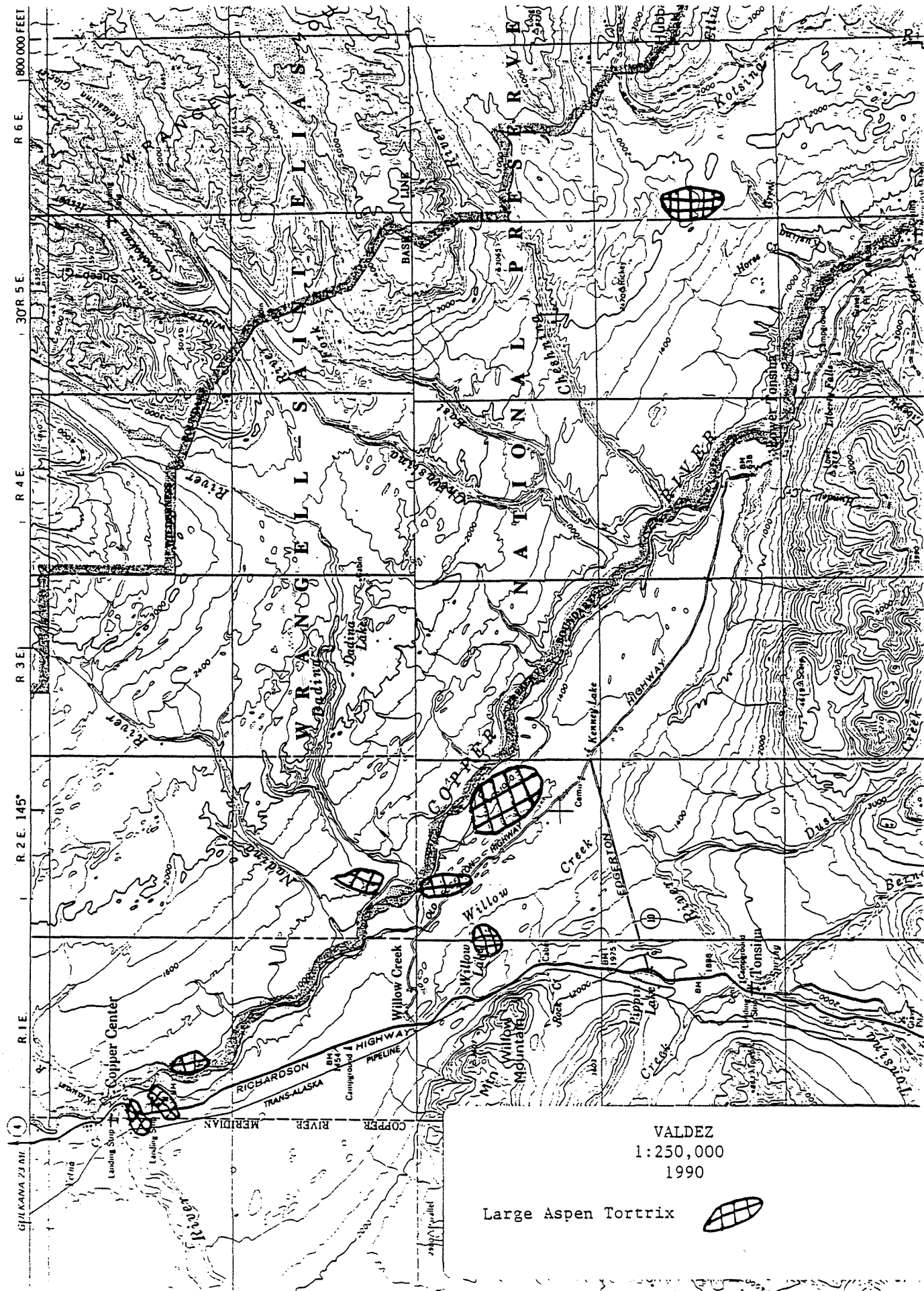
Spruce Beetle

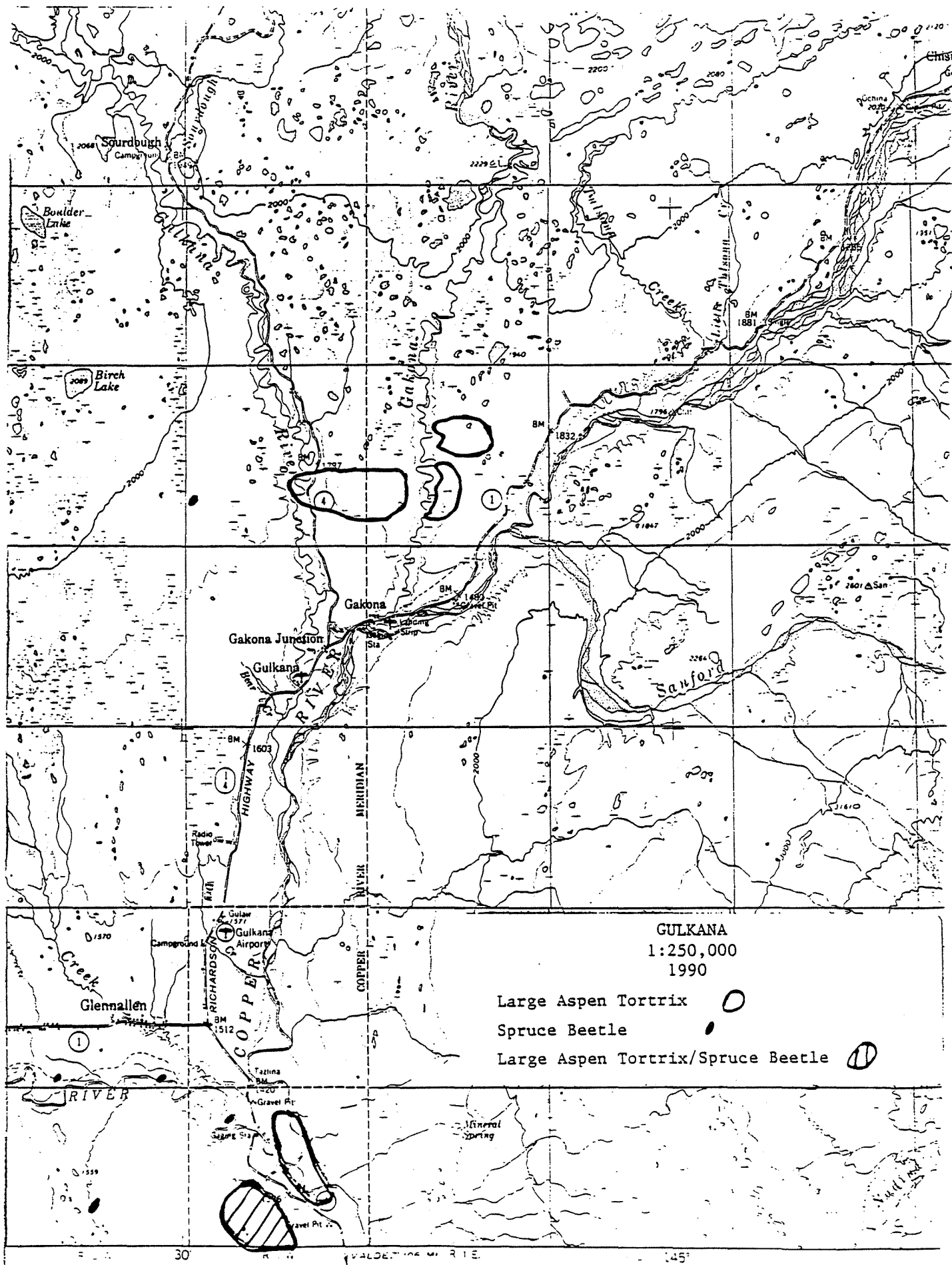
Alder Defoliation

BREMNER

Simms Lake

RIVER

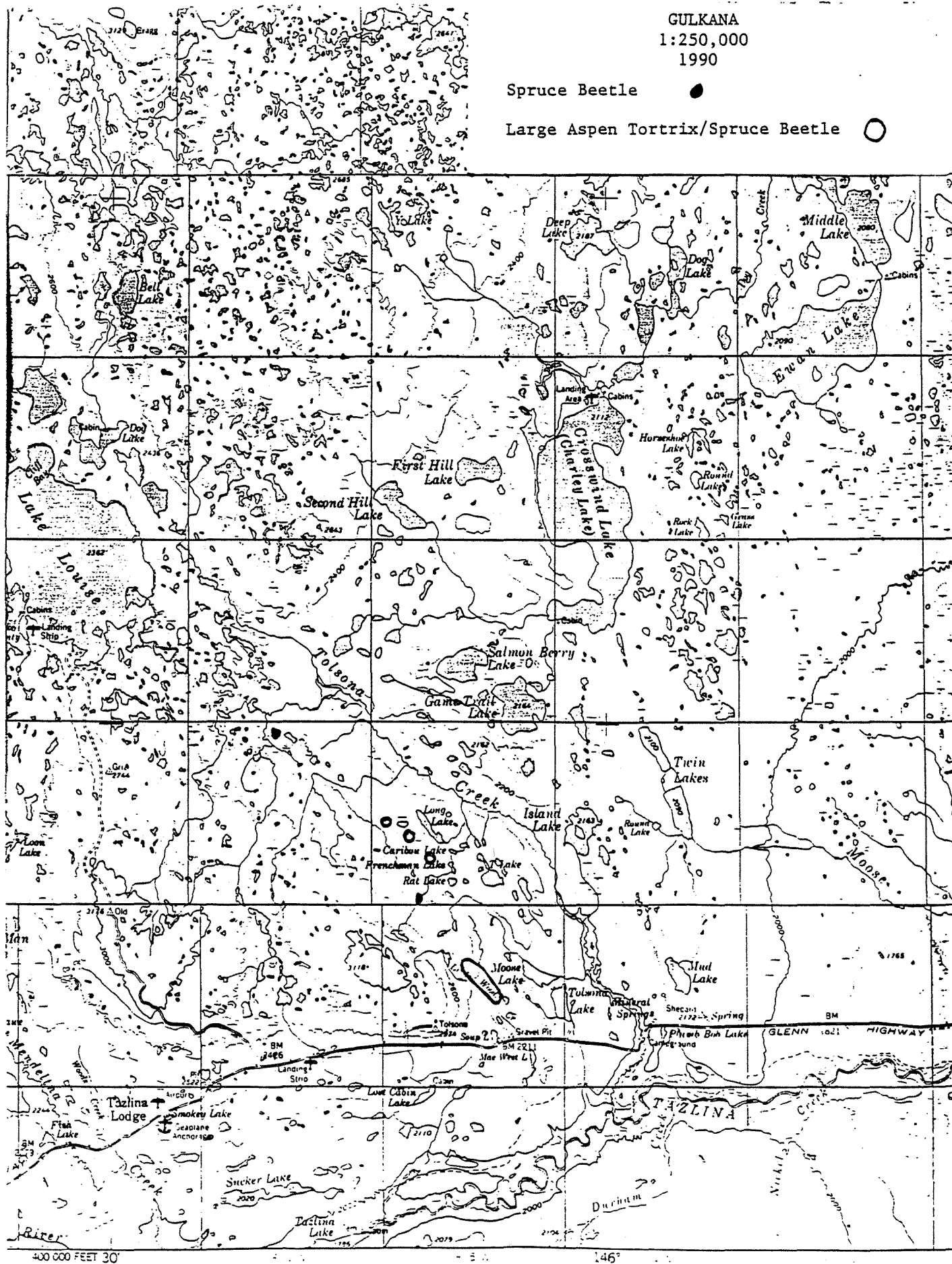




GULKANA
1:250,000
1990

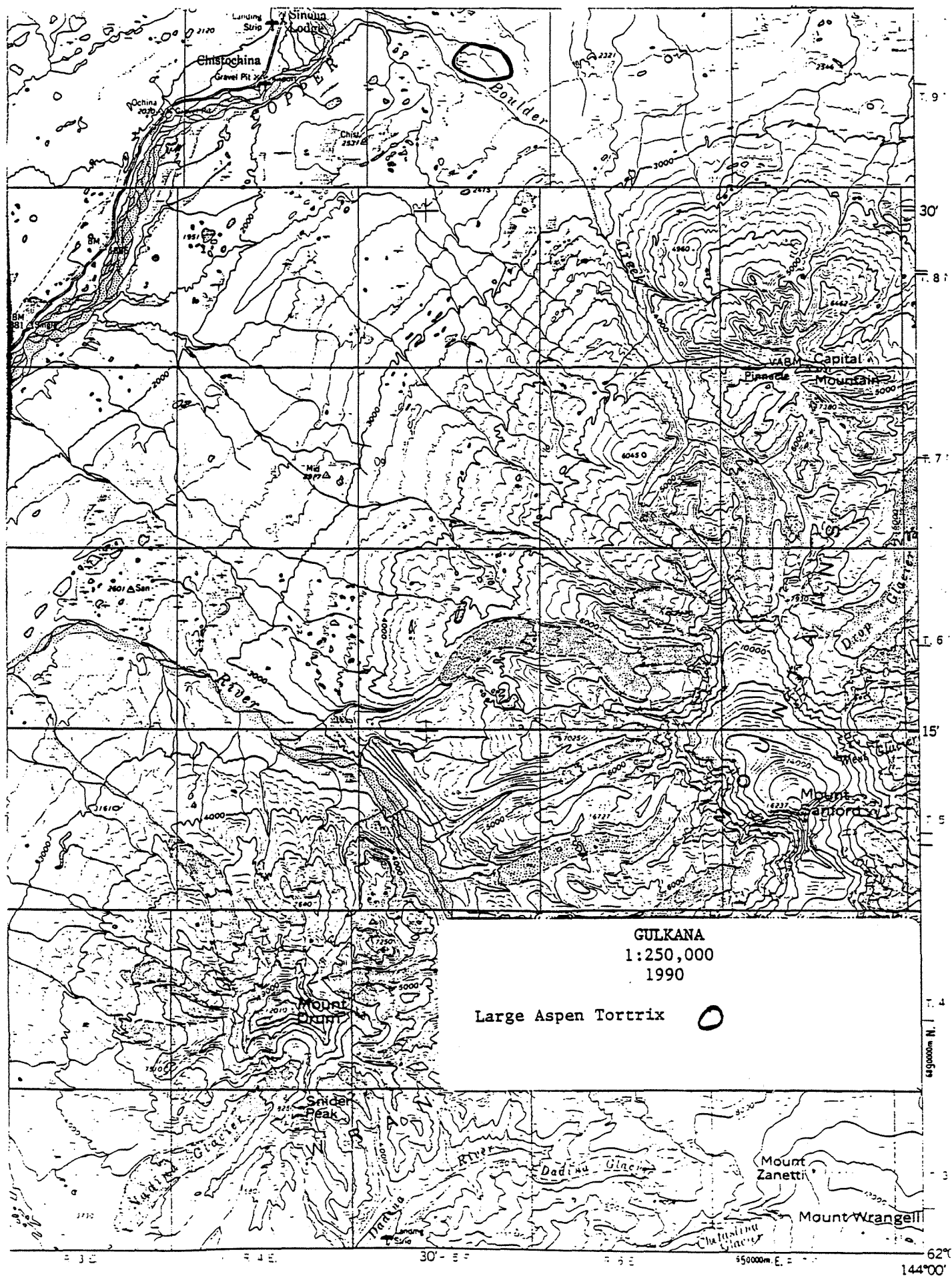
Spruce Beetle

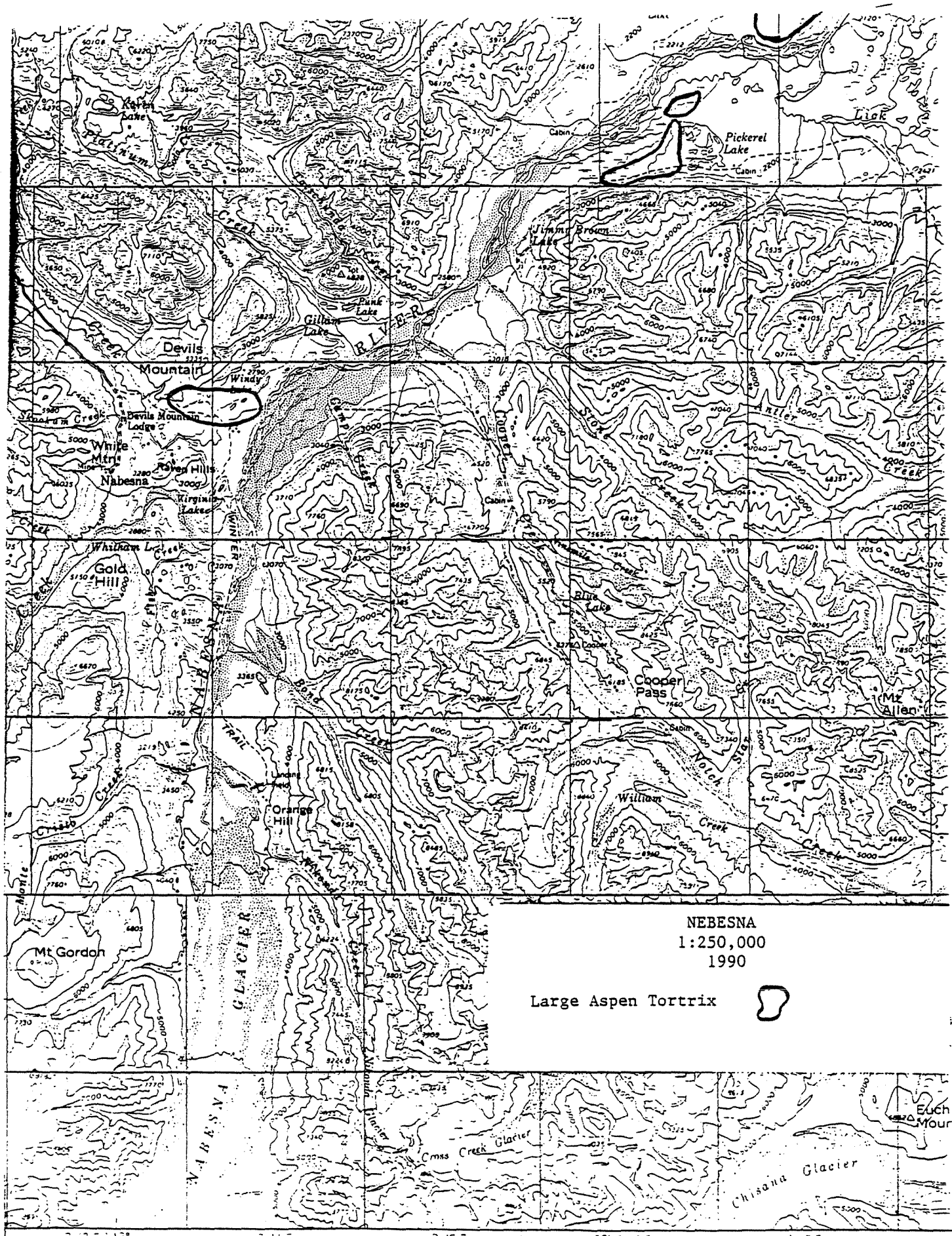
Large Aspen Tortrix/Spruce Beetle



400 000 FEET 30'

146°



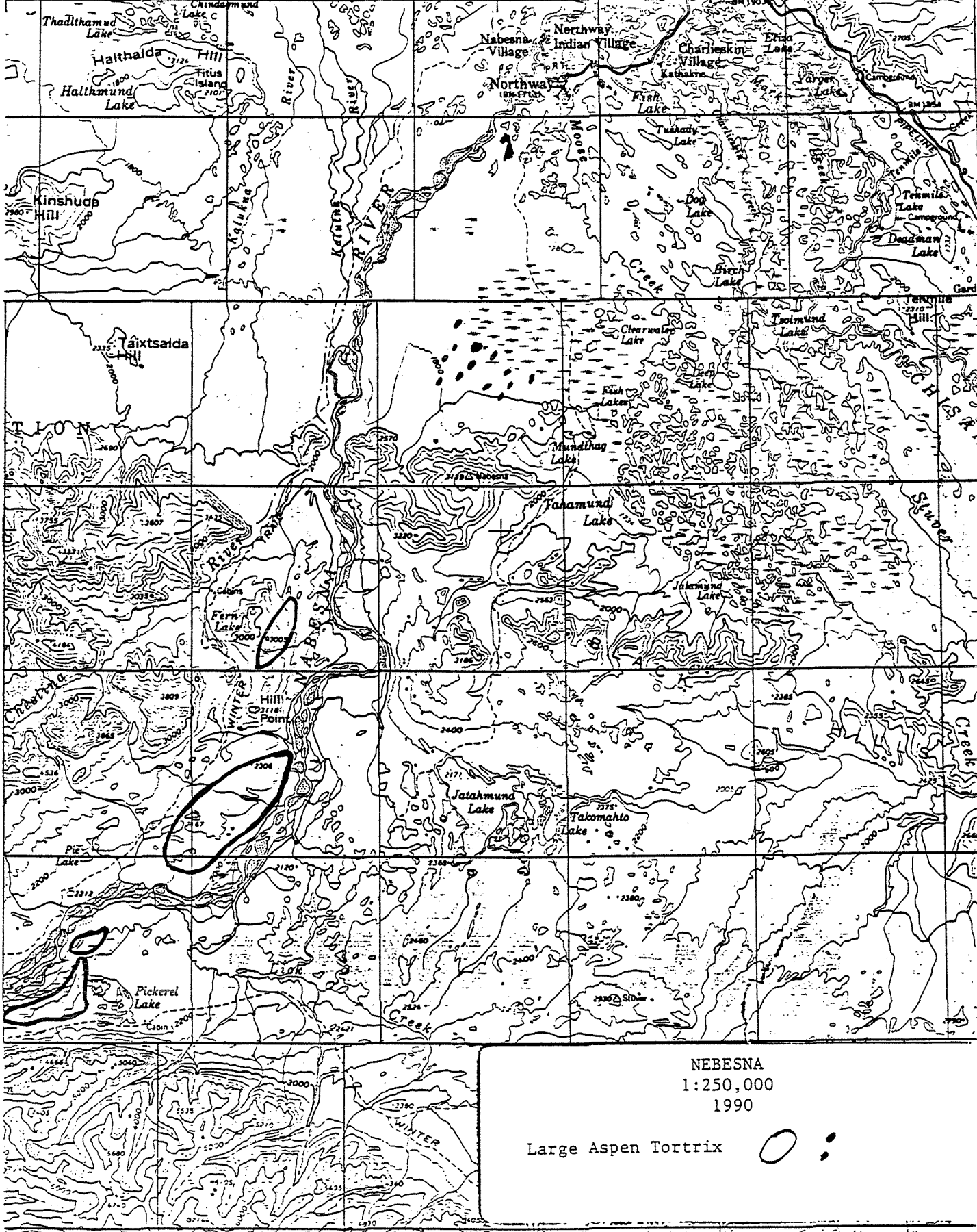


NEBESNA
1:250,000
1990

Large Aspen Tortrix

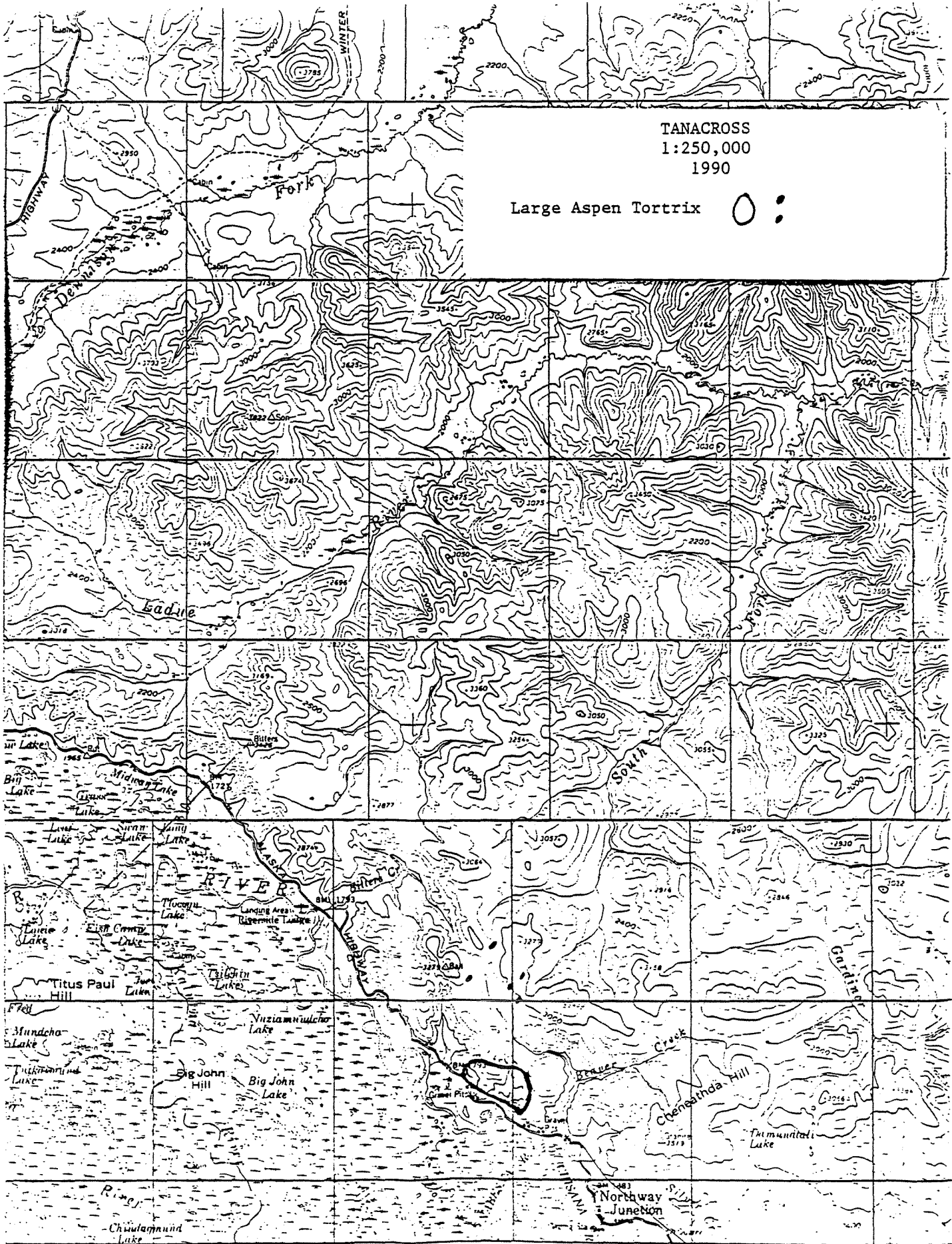


13° 43' E 14° E 15° E 16° E



NEBESNA
1:250,000
1990

Large Aspen Tortrix

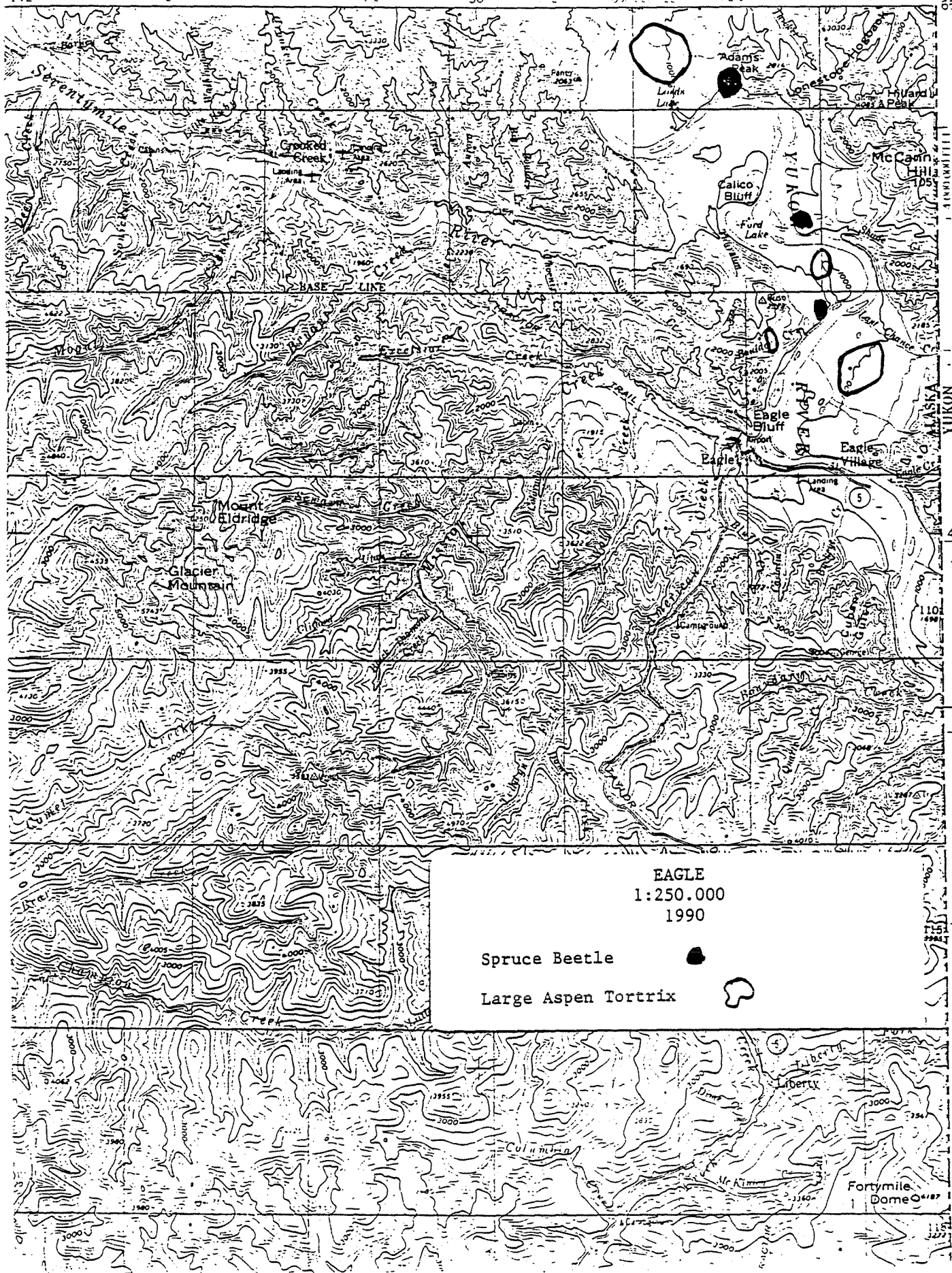


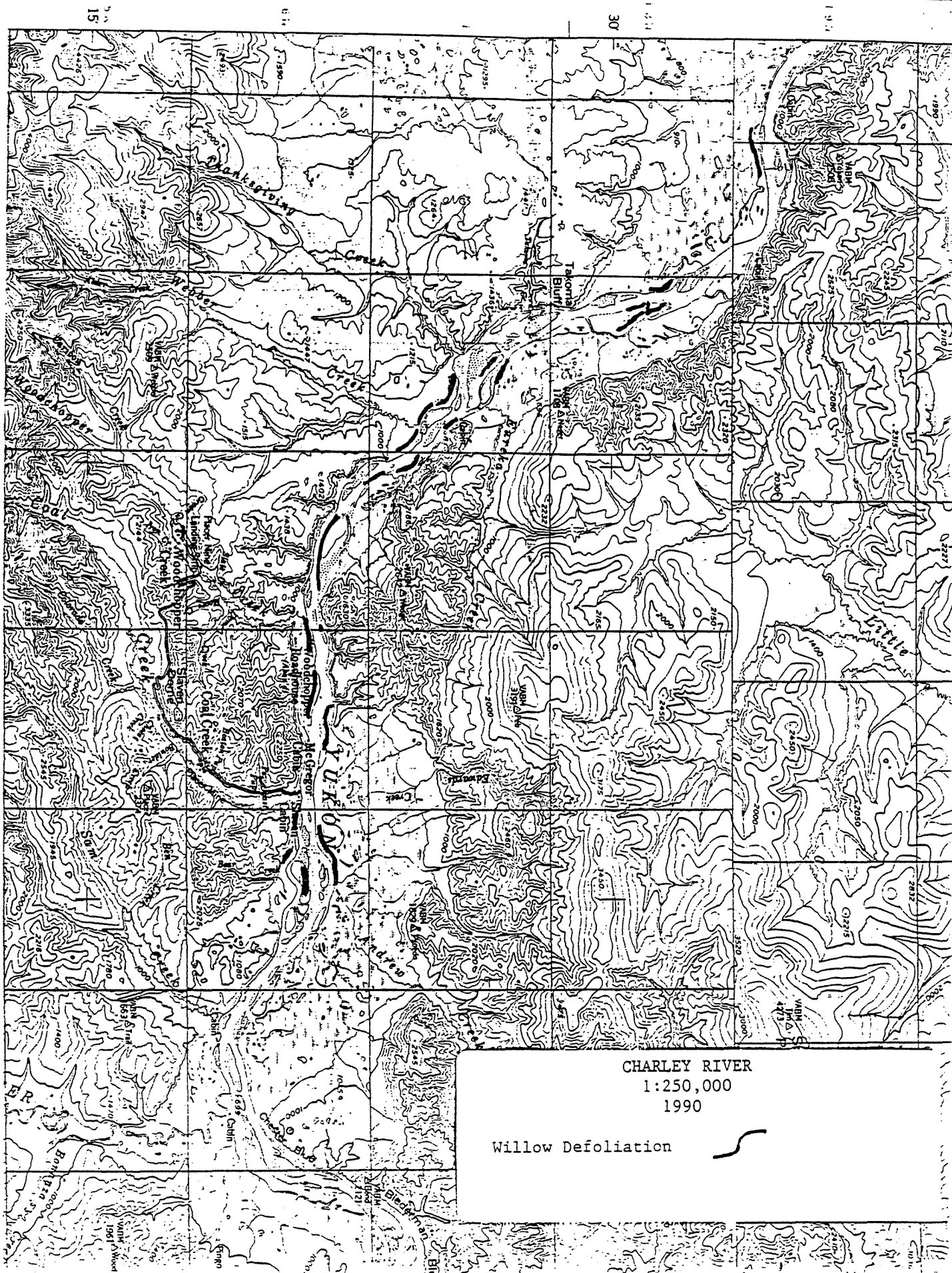
TANACROSS
1:250,000
1990

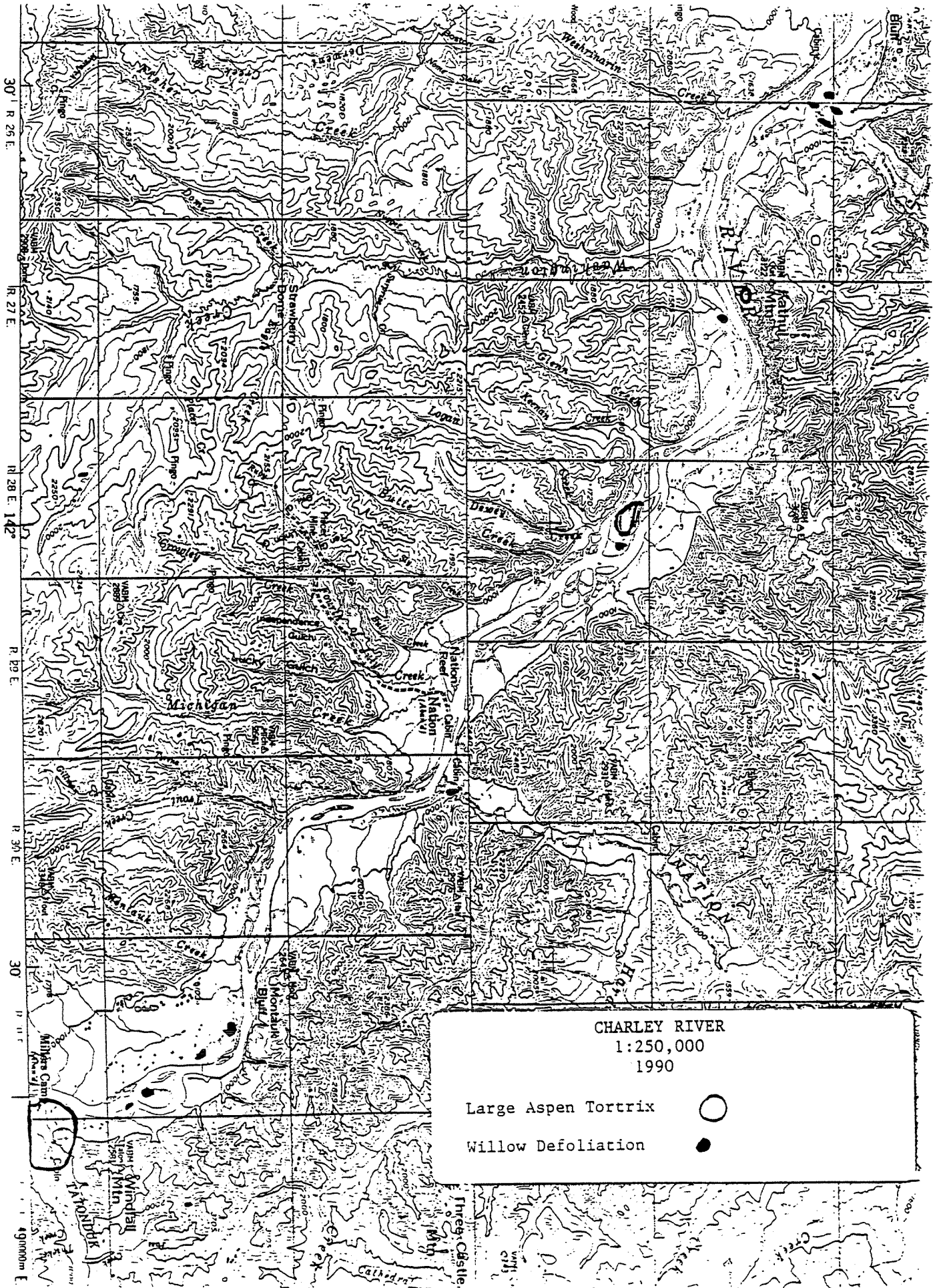
Large Aspen Tortrix

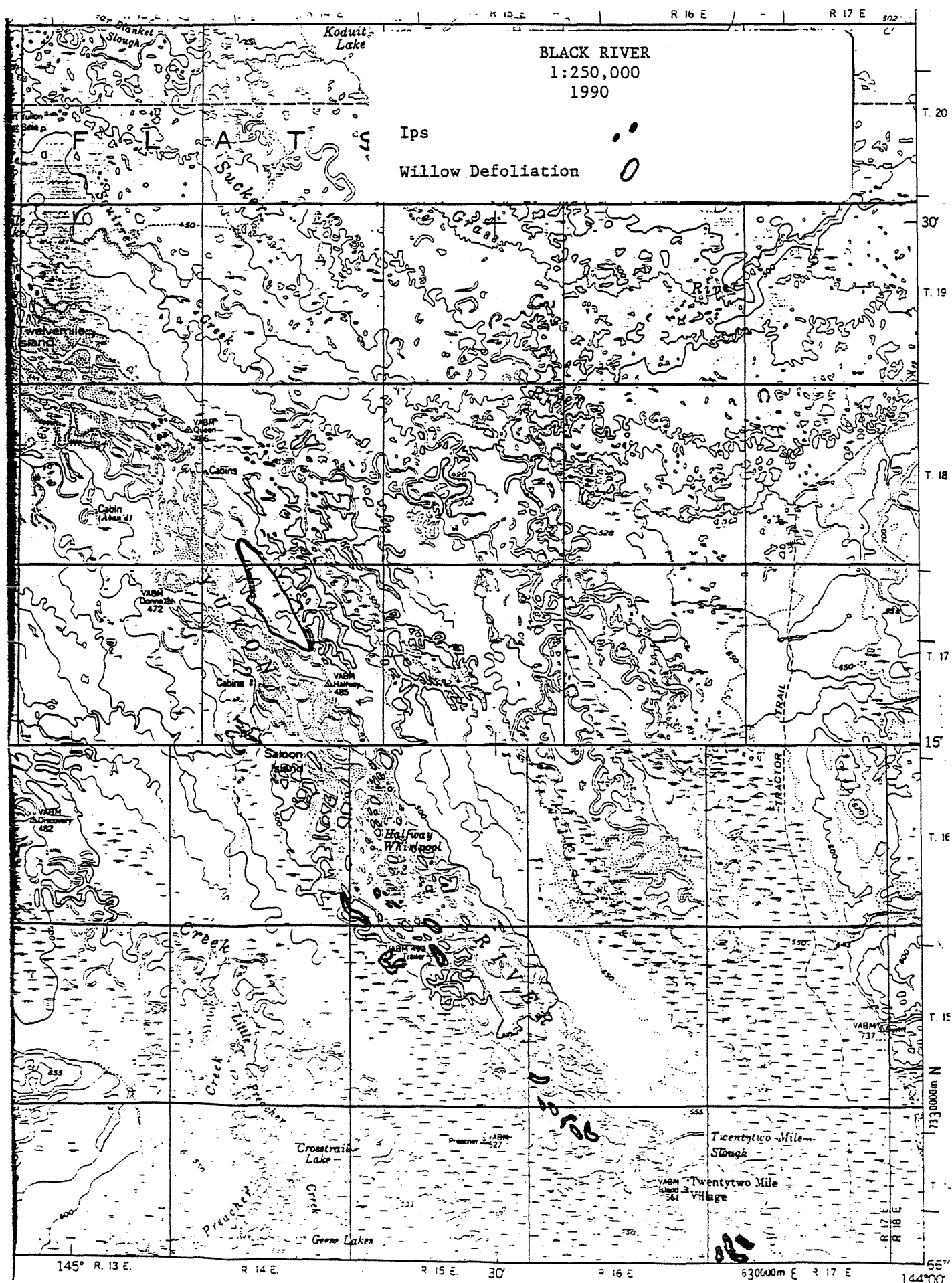
0:

SNAG JUNCTION 29 MI
HAINES JUNCTION 25 MI



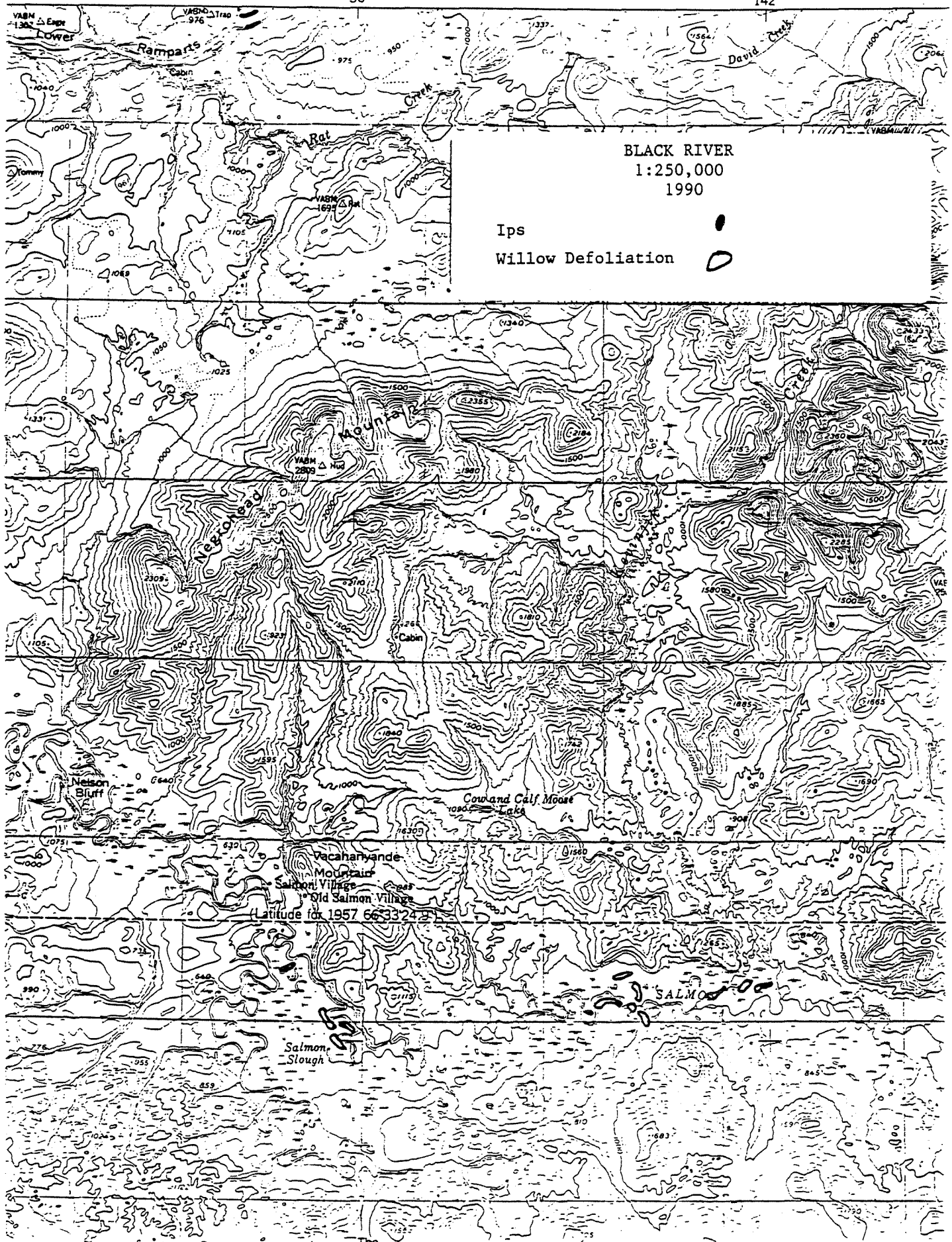


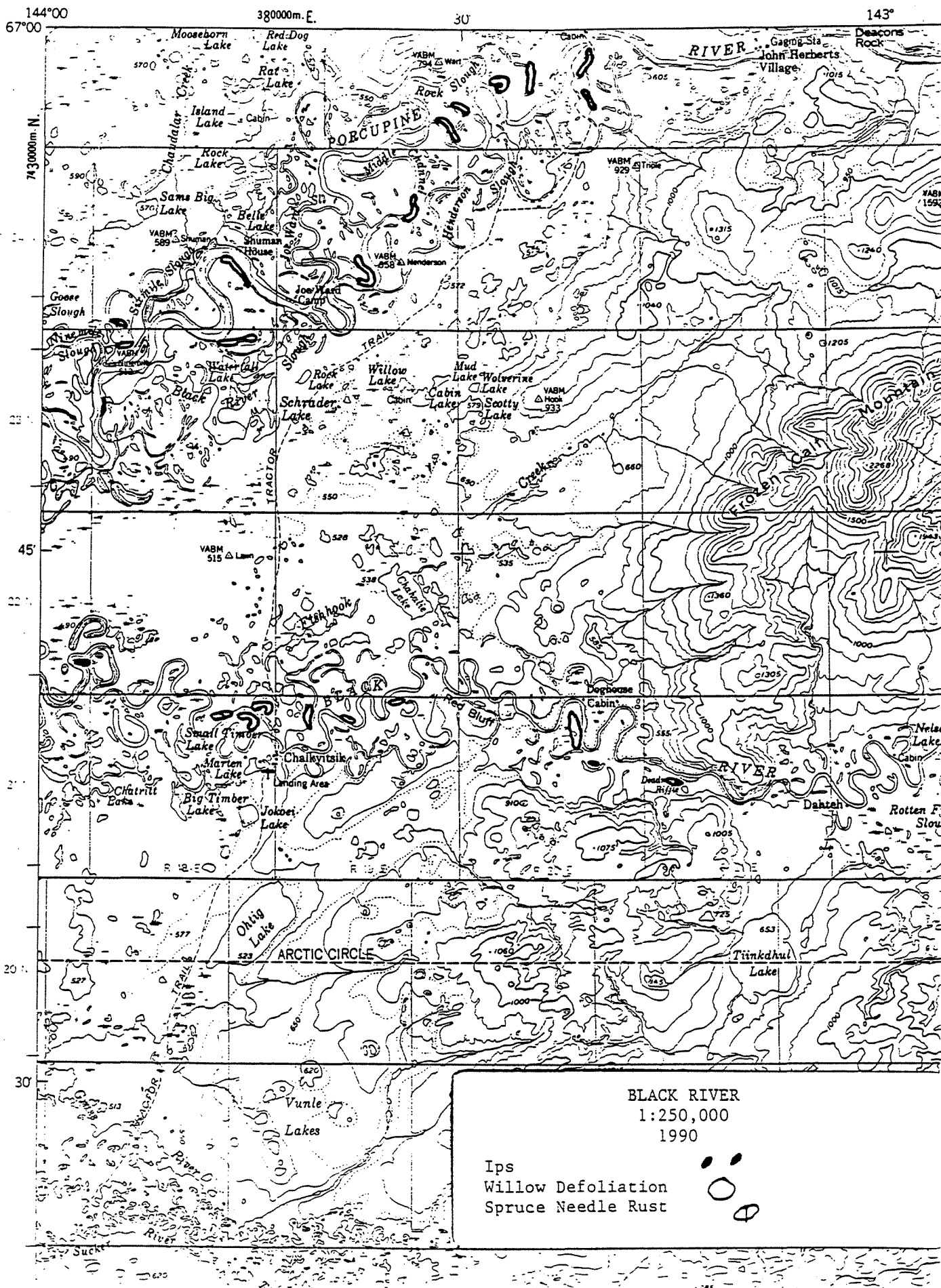


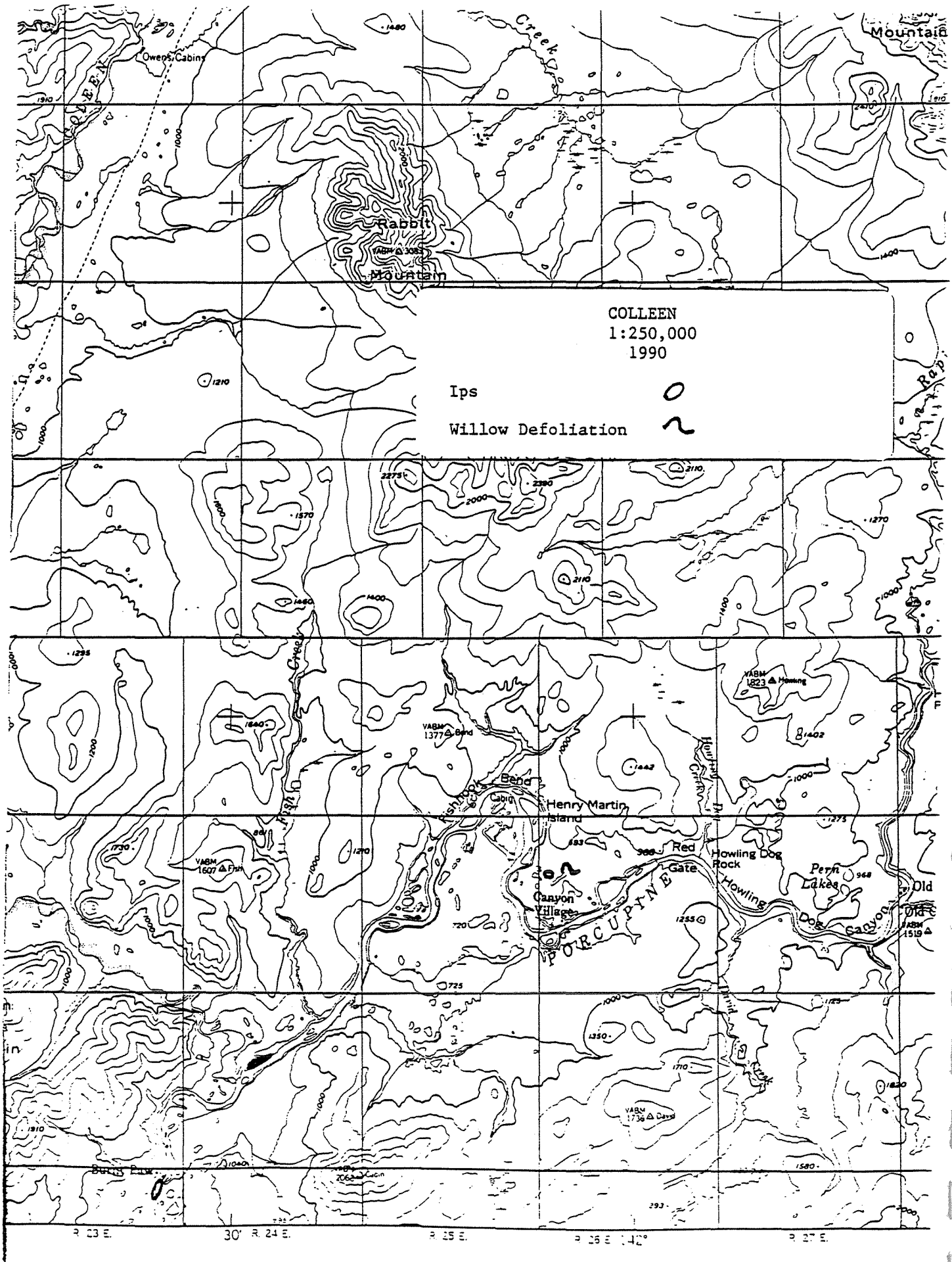


30°

142°





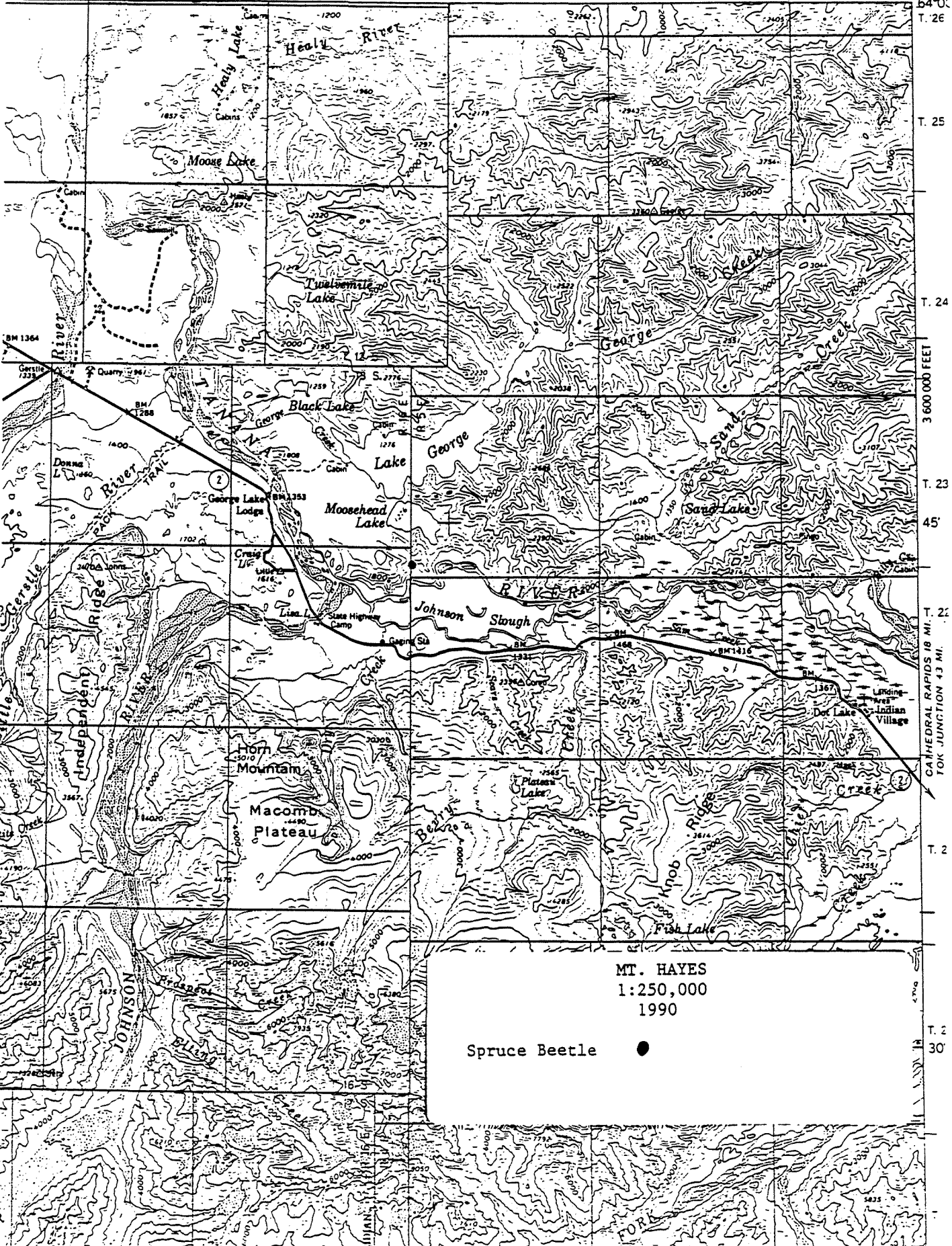


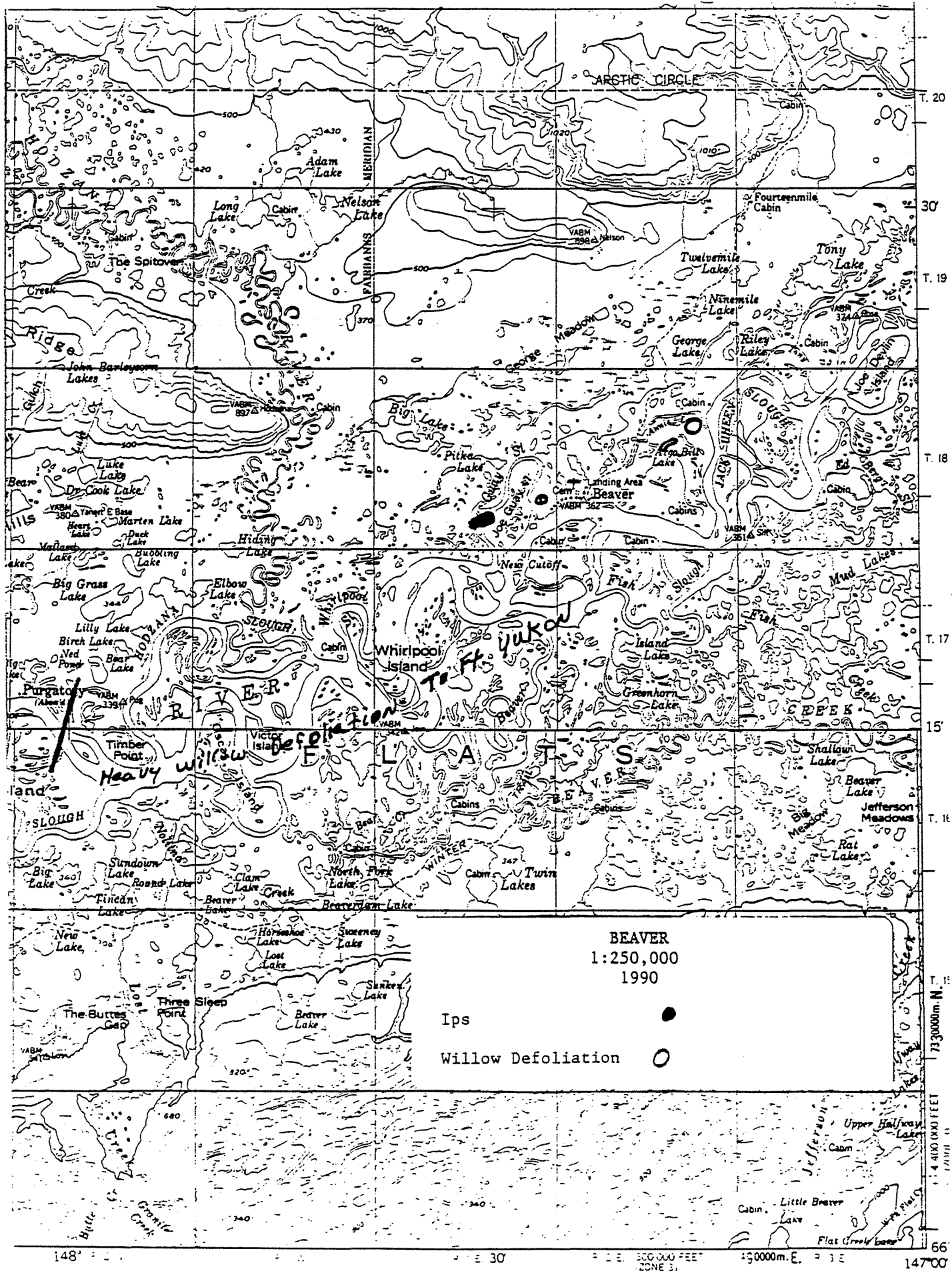
COLLEEN
1:250,000
1990

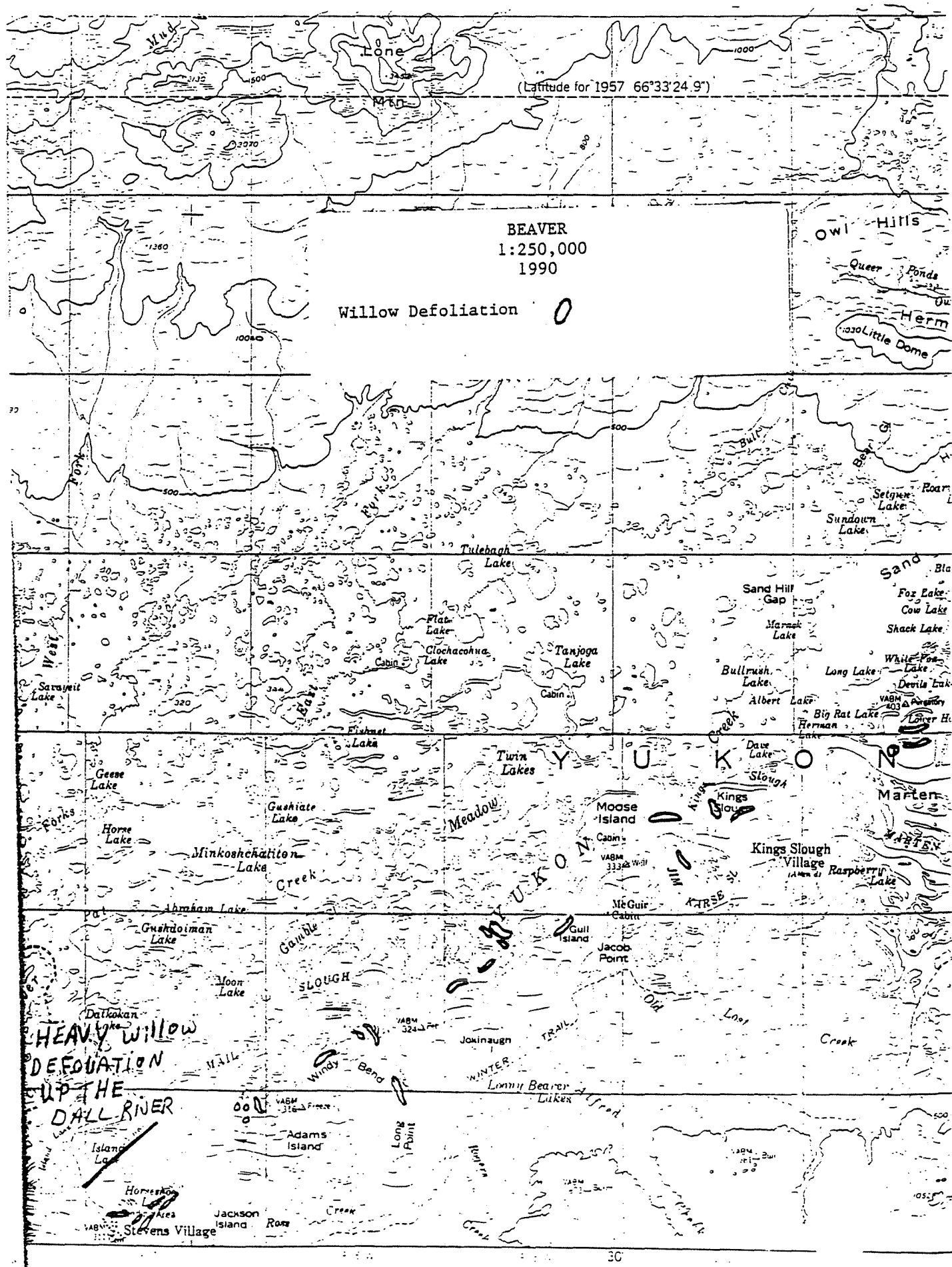
Ips
Willow Defoliation

R 23 E 30' R 24 E R 25 E R 26 E 142° R 27 E

R. 14 E. R. 15 E. R. 16 E. 30' R. 5 E R. 6 800 000 FEET 144°00'

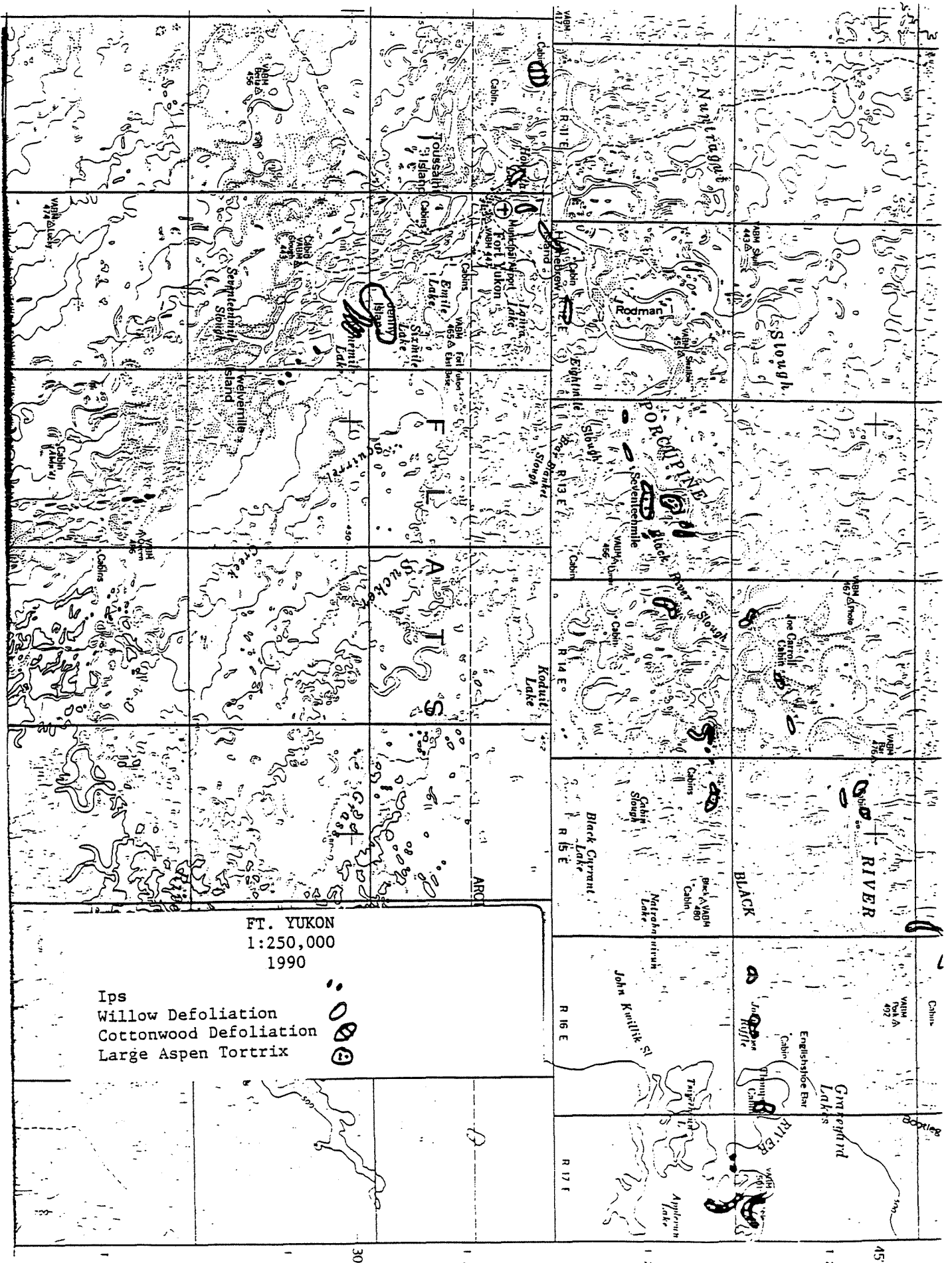




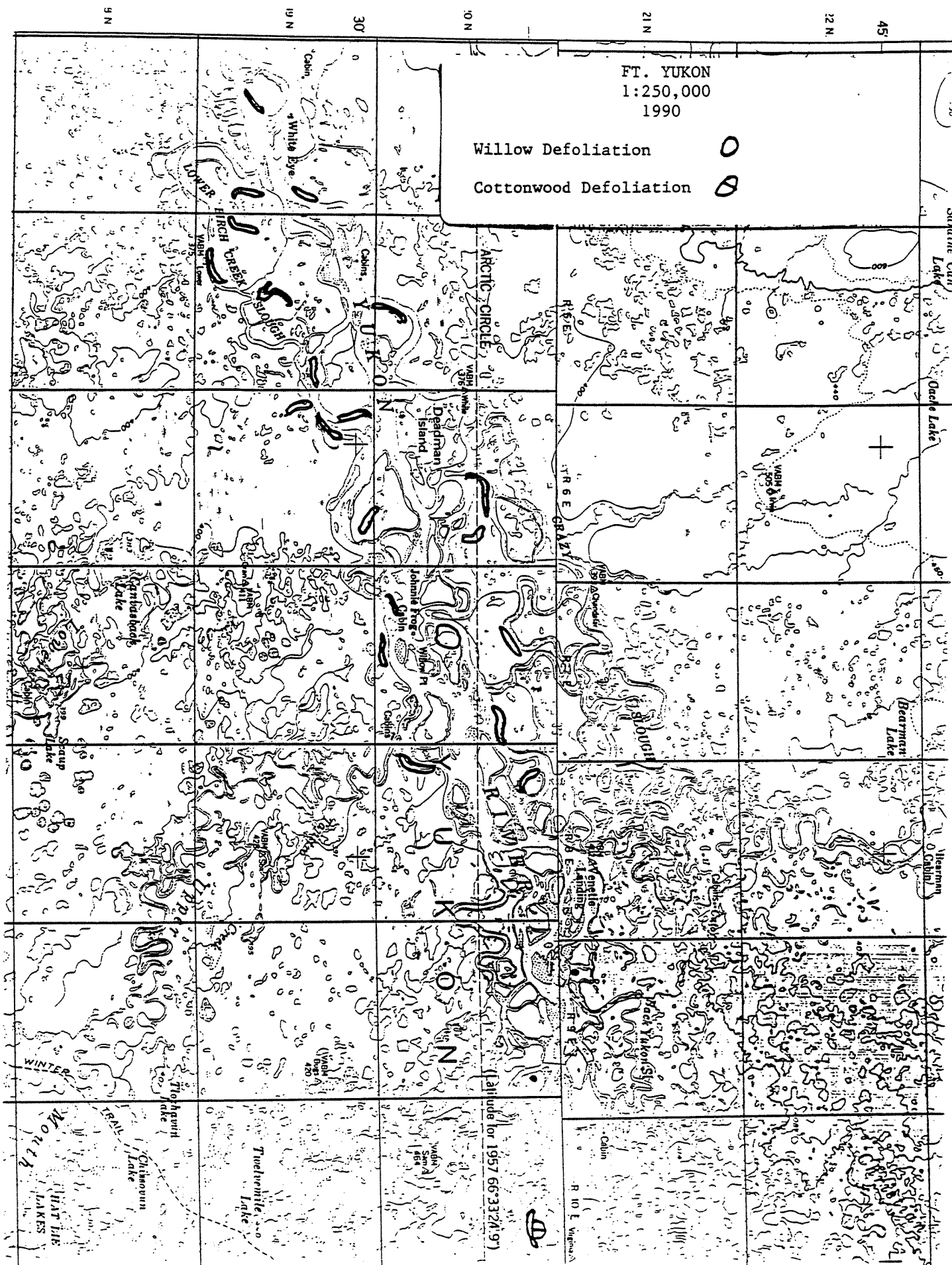


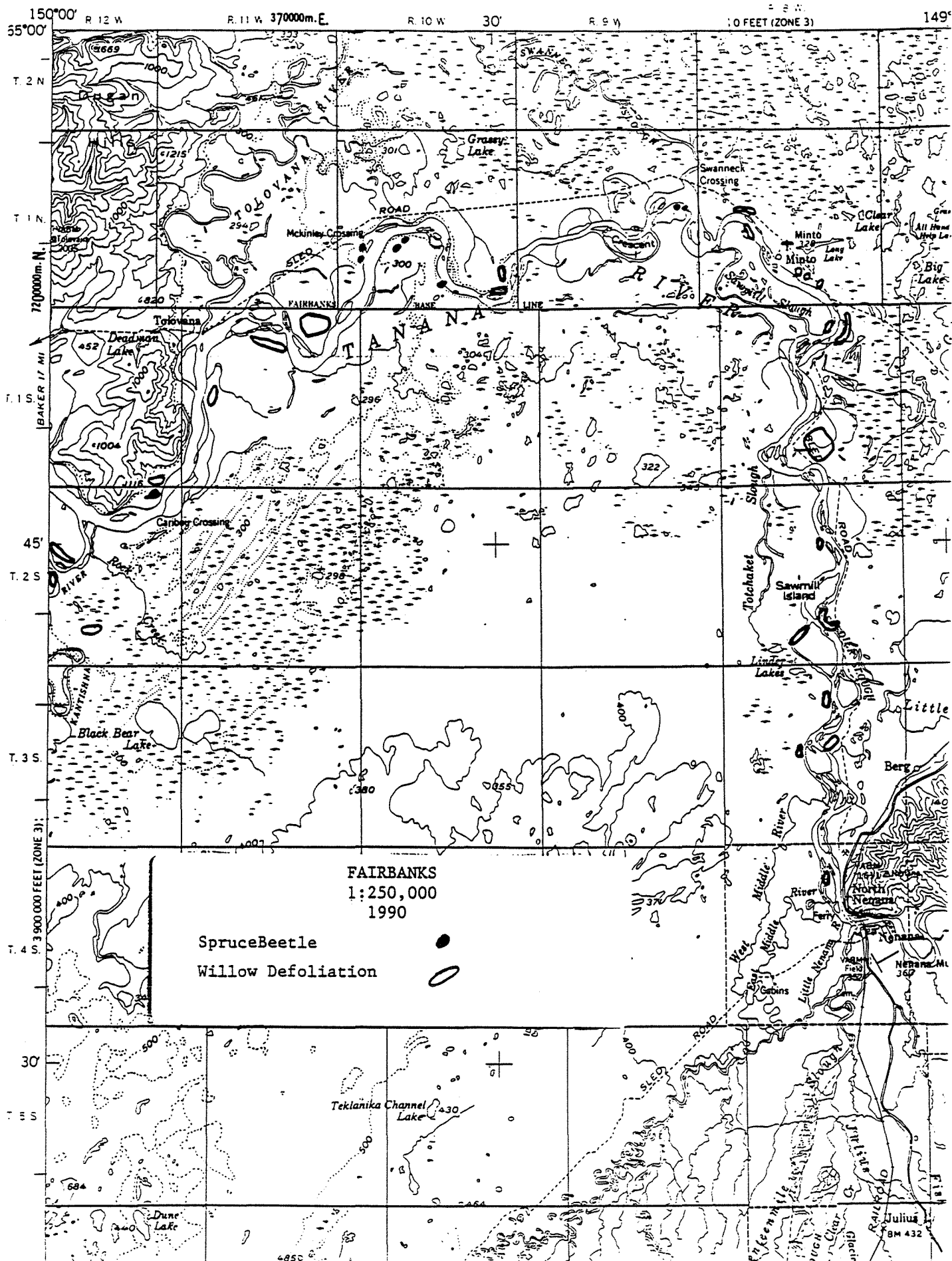
144°00'
———— 66°0:

This is a detailed topographic map of the Ketchikan area in Alaska. The map features the Klaskanine River flowing through the center, with several tributaries including Crazy Creek, Big Creek, and Twelvemile Creek. The Crazy Mountains are prominent in the upper left, with peaks reaching over 3000 feet. Key locations marked include Boulders, Twelvemile House (Site), Medicine Lake, and the Circle Hot Springs (Circle Springs Pond). The map also shows various landmarks such as the Landing Area, Campground, and several cabins. Elevation markers are scattered throughout, indicating different altitudes. A scale bar at the bottom right shows distances up to 3000 feet. The map is oriented with North at the top.



Cottonwood Defoliation





149° 7' W

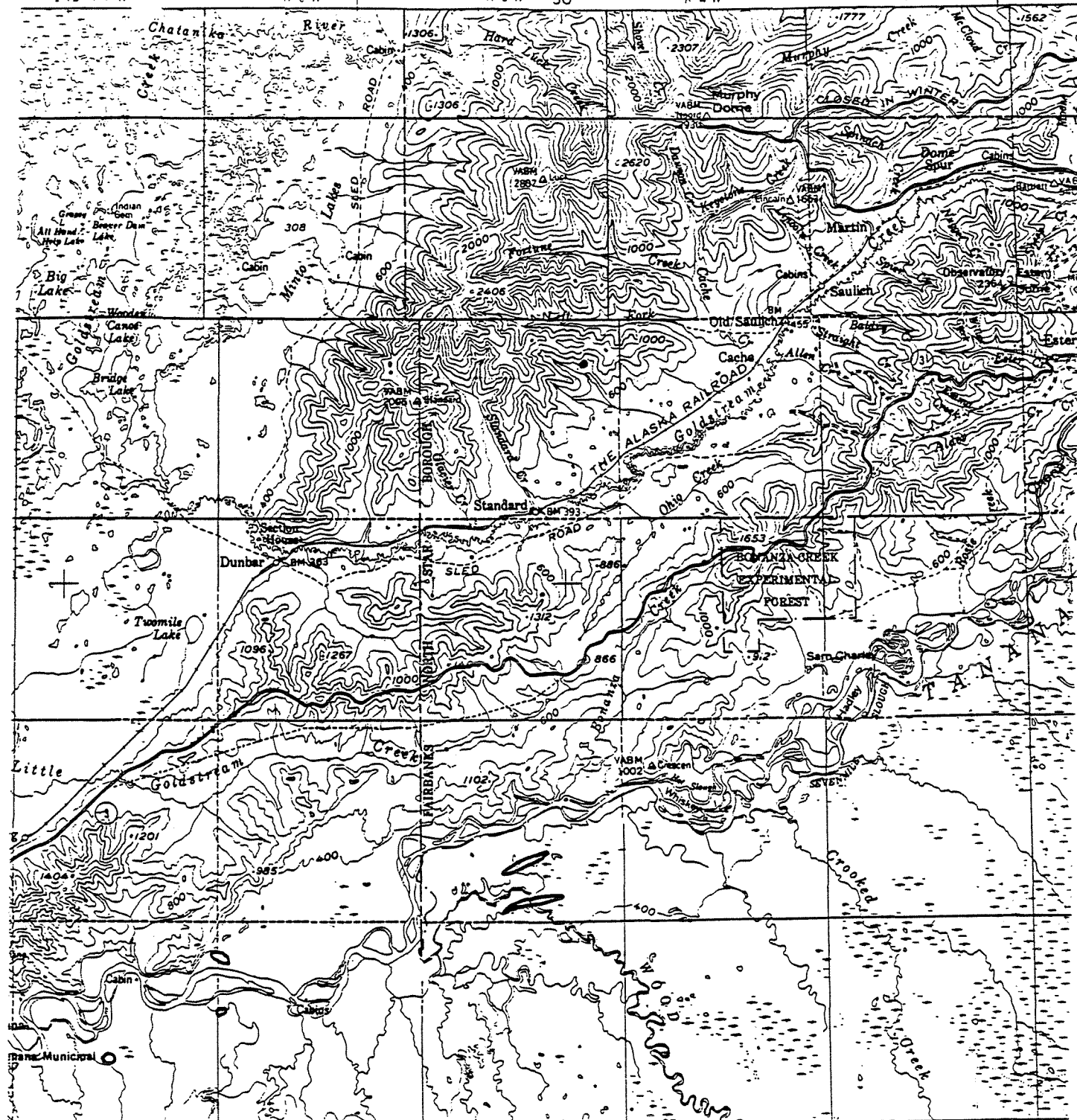
R 6 W

R 5 W 30'

R 4 W

R 3 W

148°



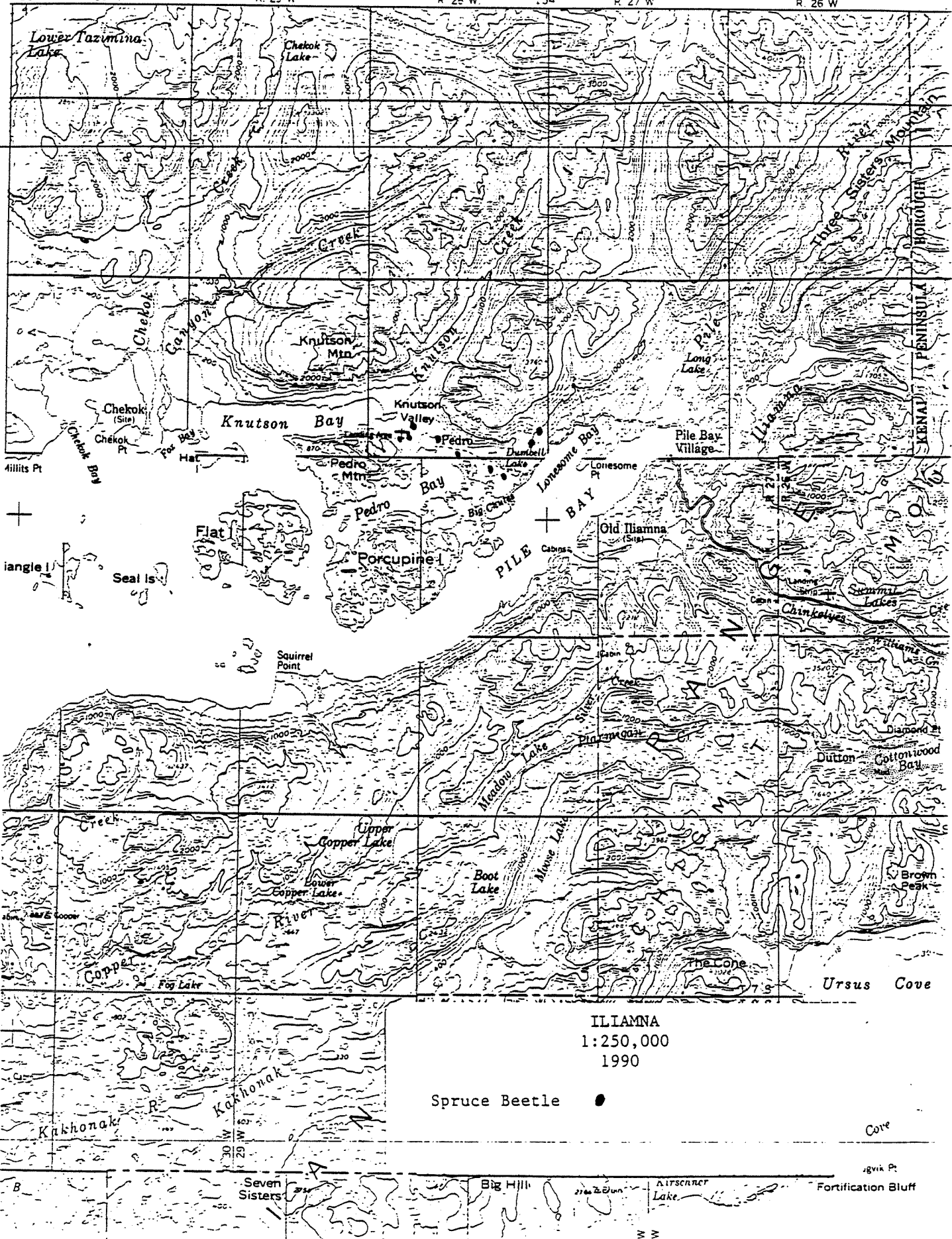
FAIRBANKS
1:250,000
1990

Ips
Willow Defoliation

Wood River
Buttes



30° P 30 W R 29 W R 28 W 154° P 27 W R 26 W

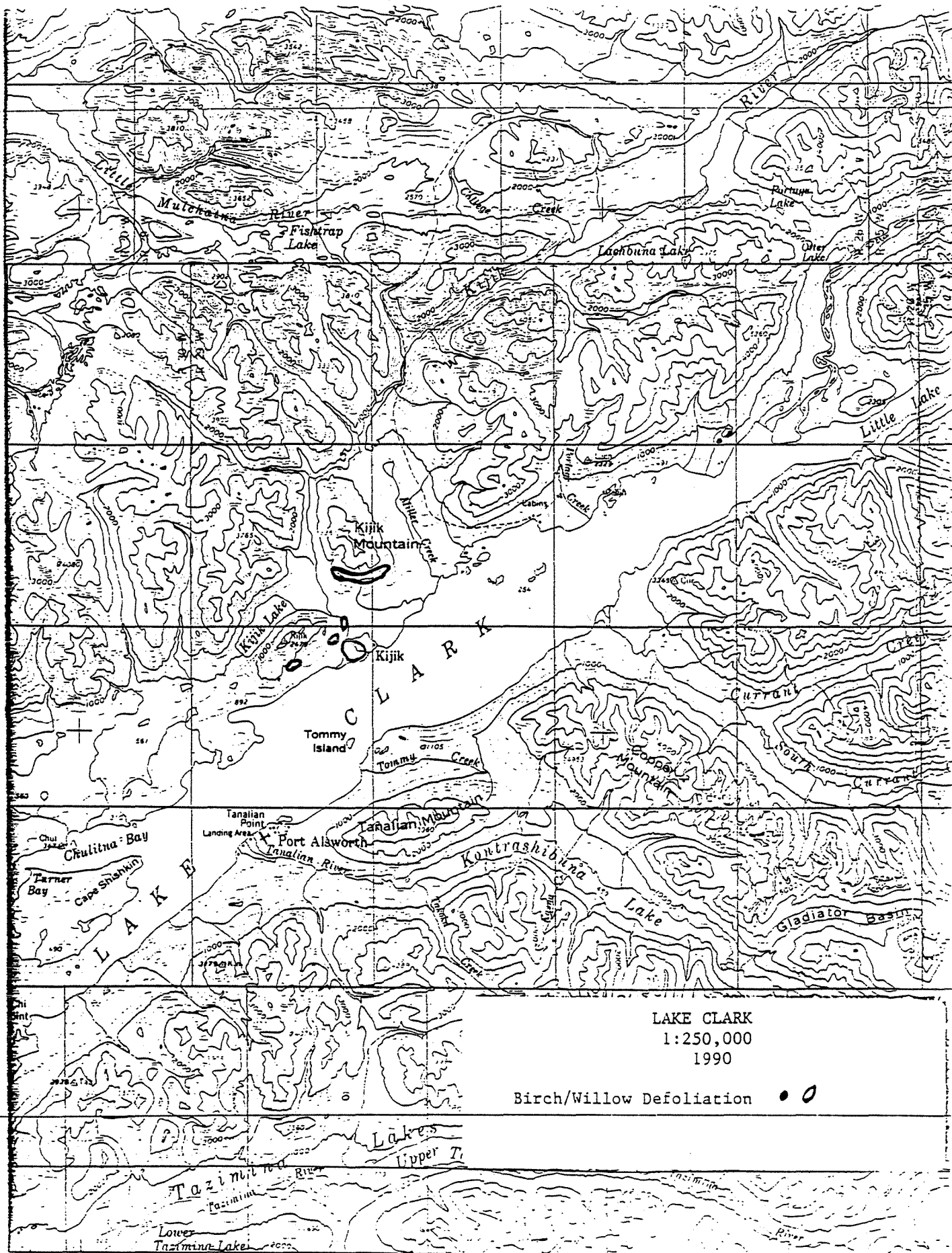


ILIAMNA
1:250,000
1990

Spruce Beetle ●

Cove

Fortification Bluff



LAKE CLARK
1:250,000
1990

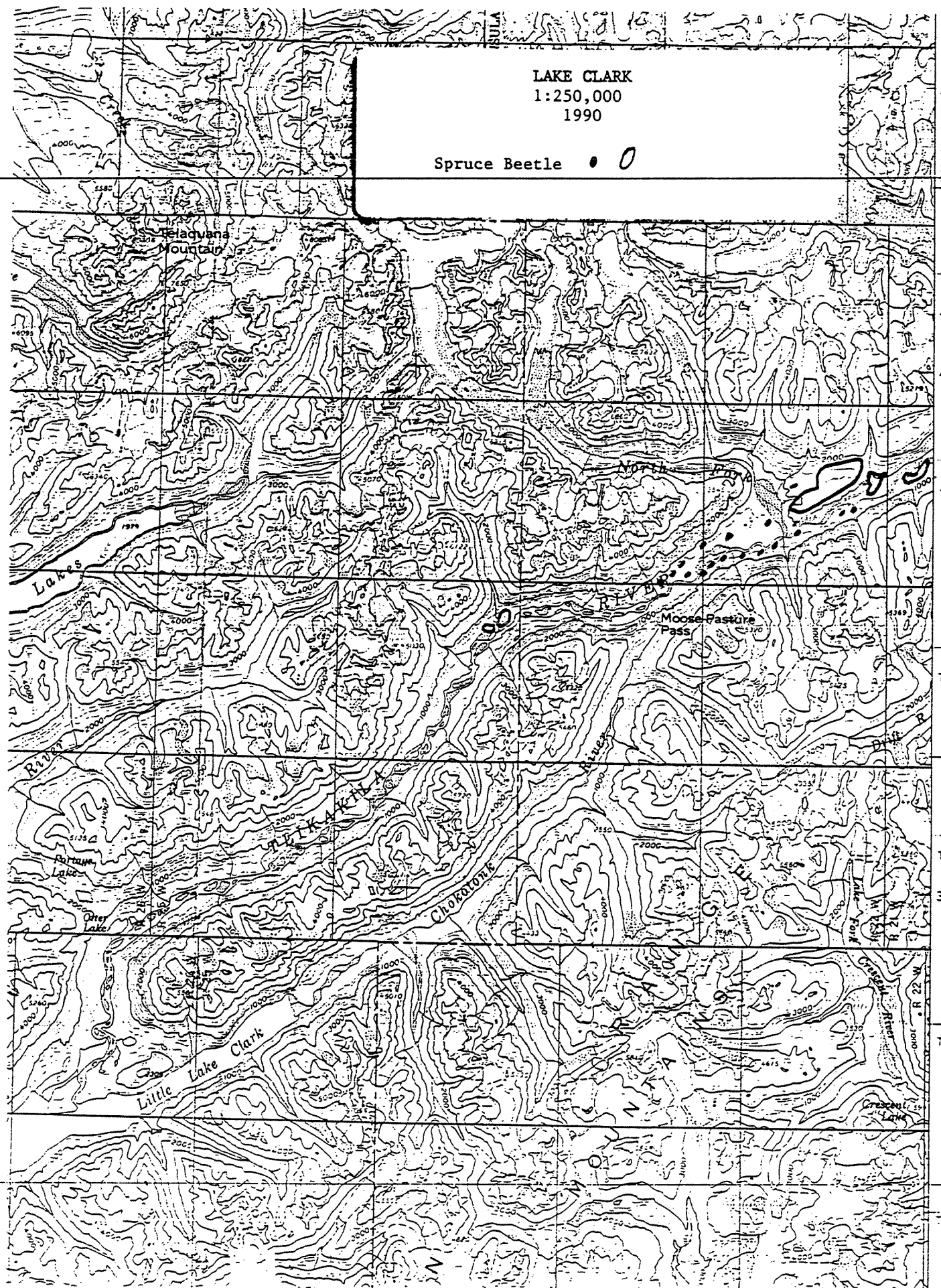
Birch/Willow Defoliation • •

LAKE CLARK

1:250,000

1990

Spruce Beetle • 0



1/2 MILE
500,000 FEET

T. 8

45'

T. 7

T. 6

T. 5

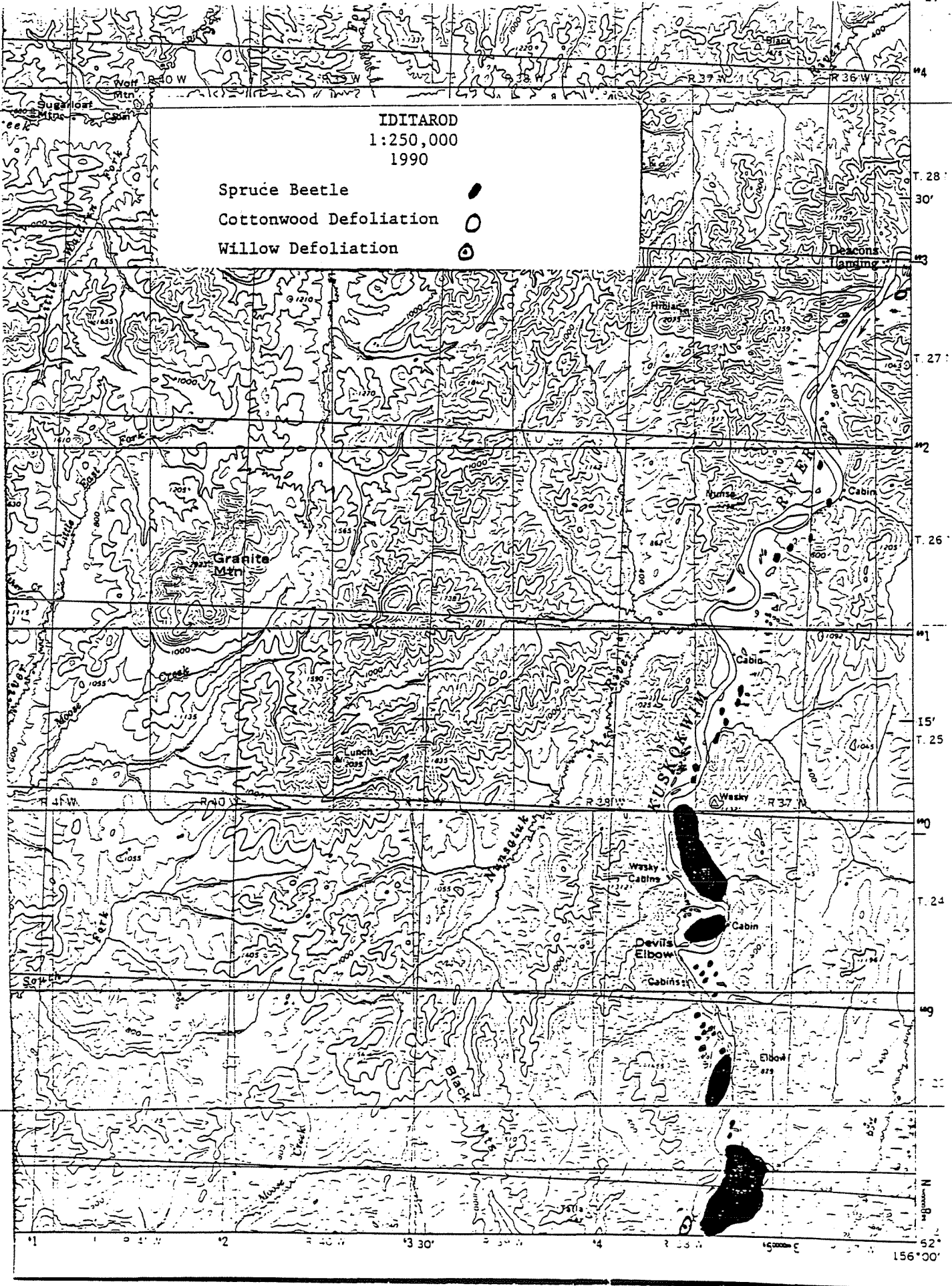
30'

T. 4

T. 3

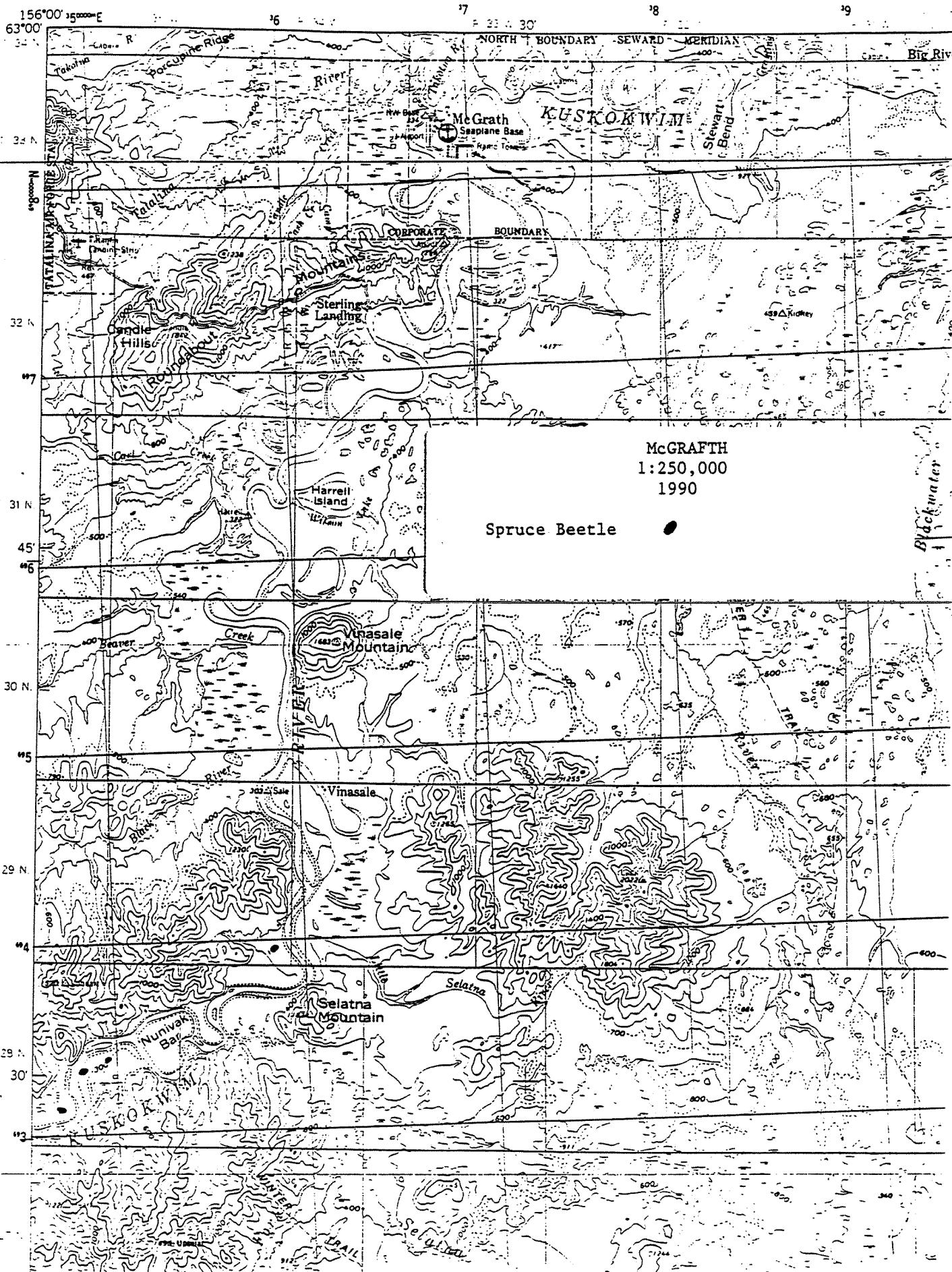
T. 2

T. 1



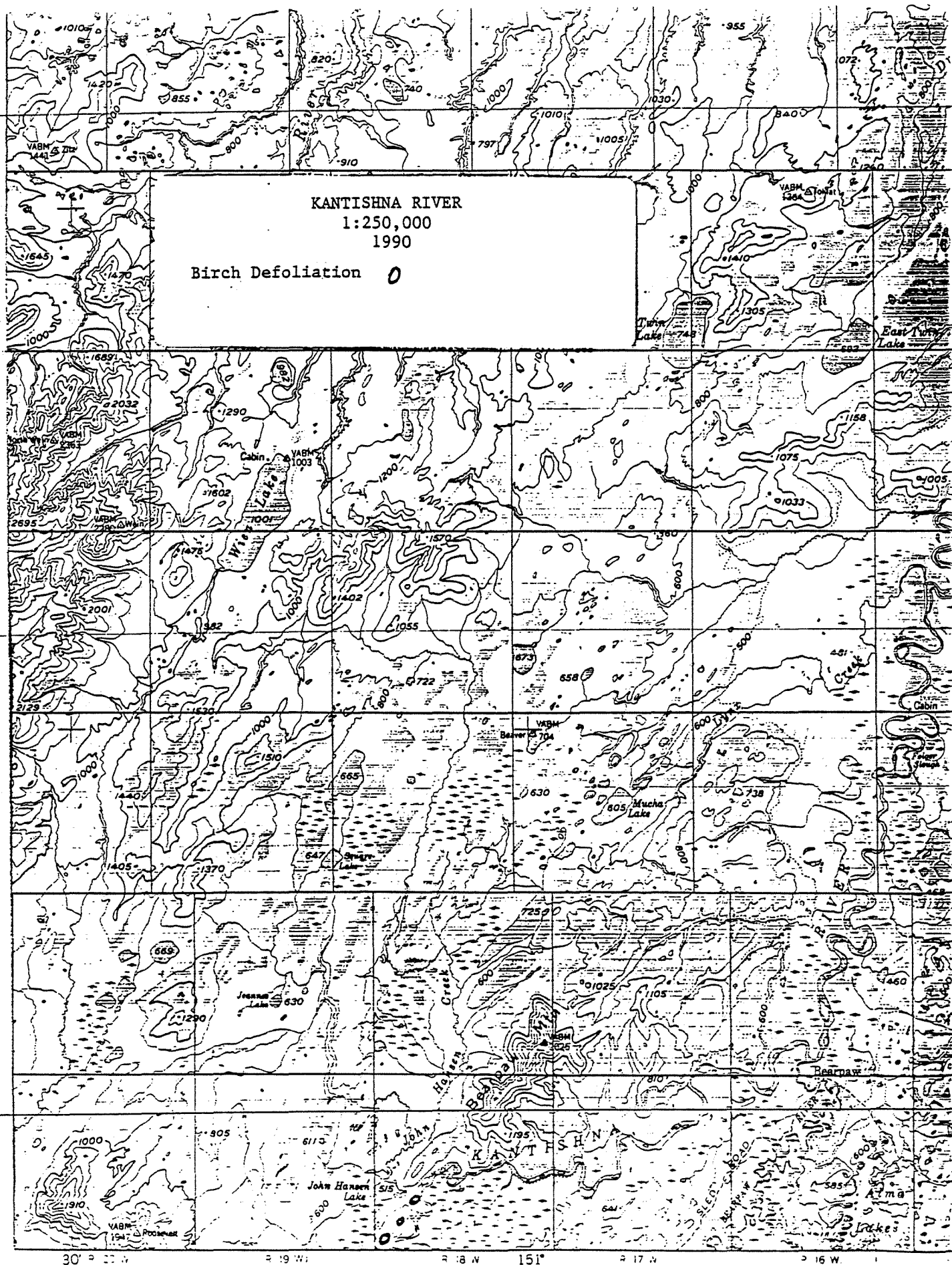
IDITAROD
1:250,000
1990

- Spruce Beetle
- Cottonwood Defoliation
- Willow Defoliation



McGraw-Hill
1:250,000
1990

Spruce Beetle



30' 2 2 4

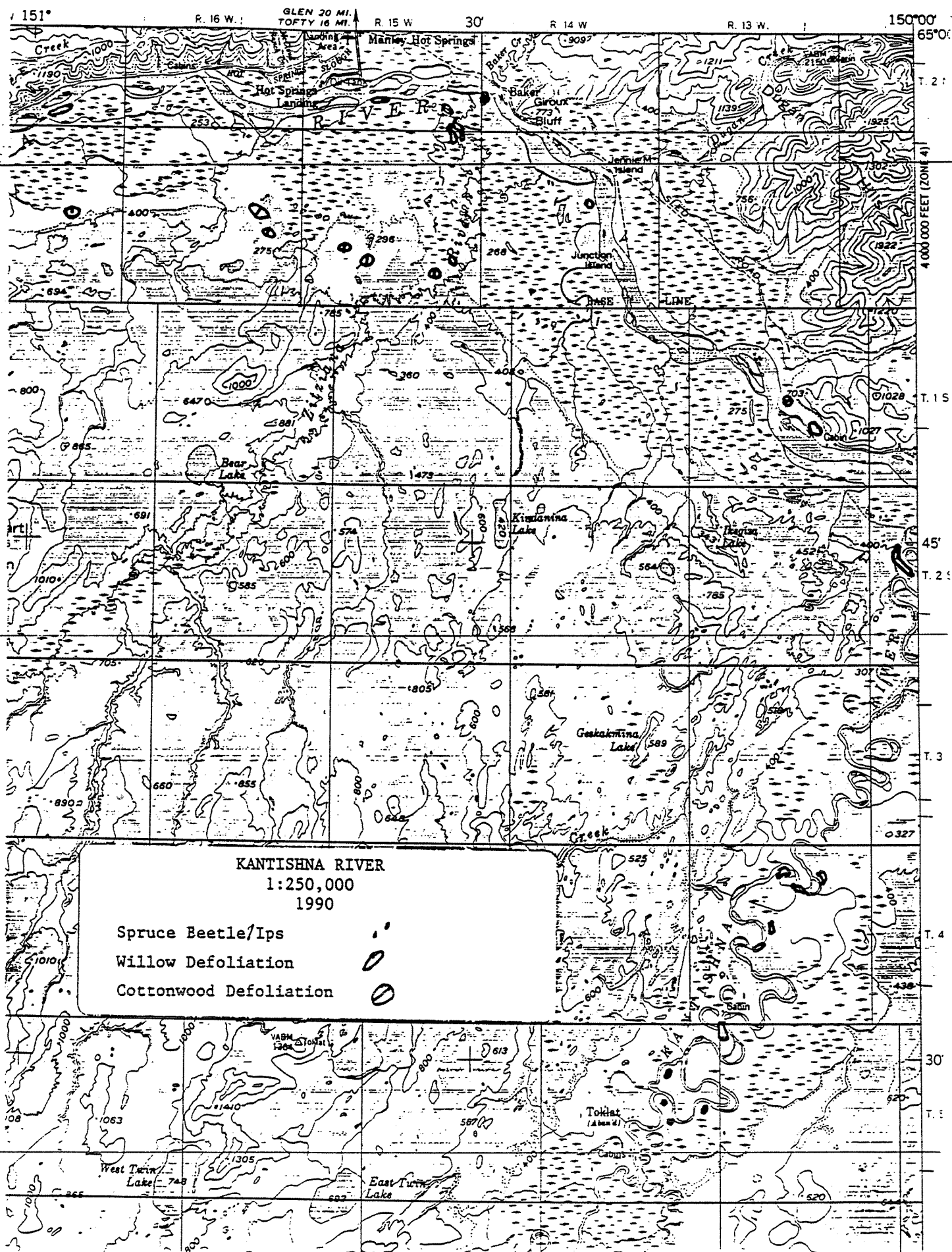
2 19 44;

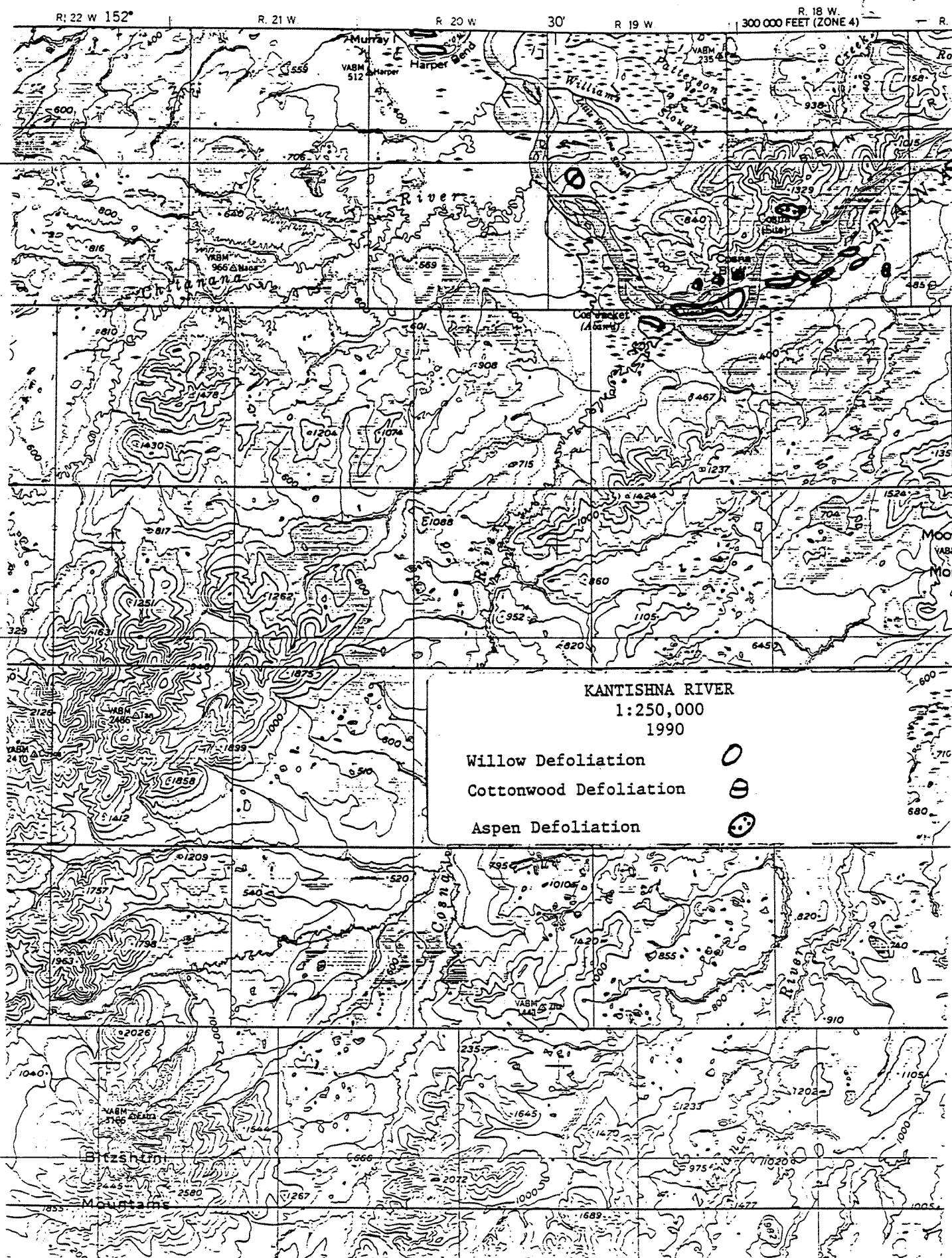
2 : 8 N

151°

2 17 24

16 W





153000
153700

1 2 N

1 3 N

1 4 N

1 5 N

1 6 N

14 100 000 FEET (ZONE 4)

R 26 W

100 000 FEET (ZONE 4)

R 25 W

30

R 24 W

R 23 W

R 22 W

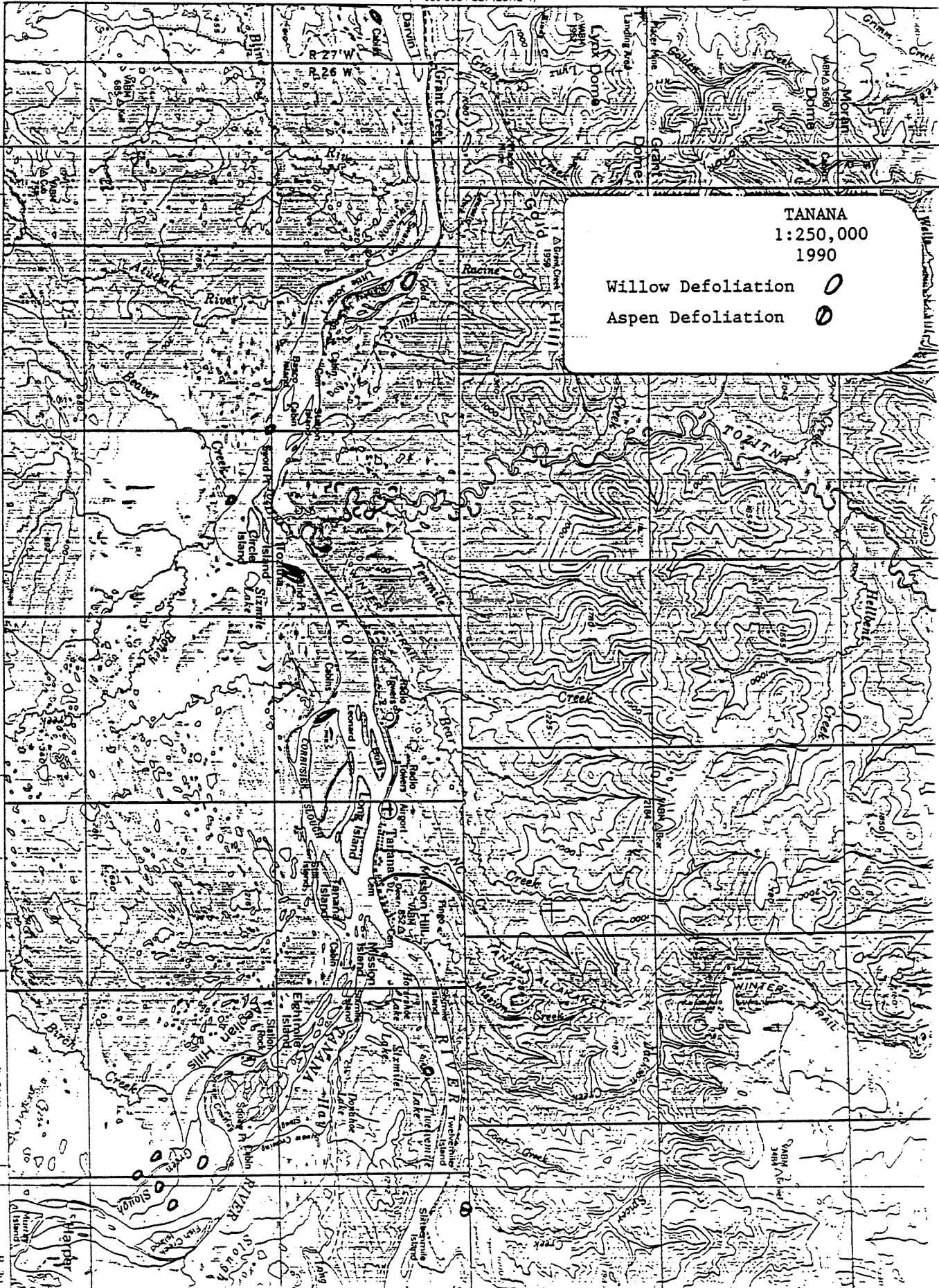
152

R 21 W

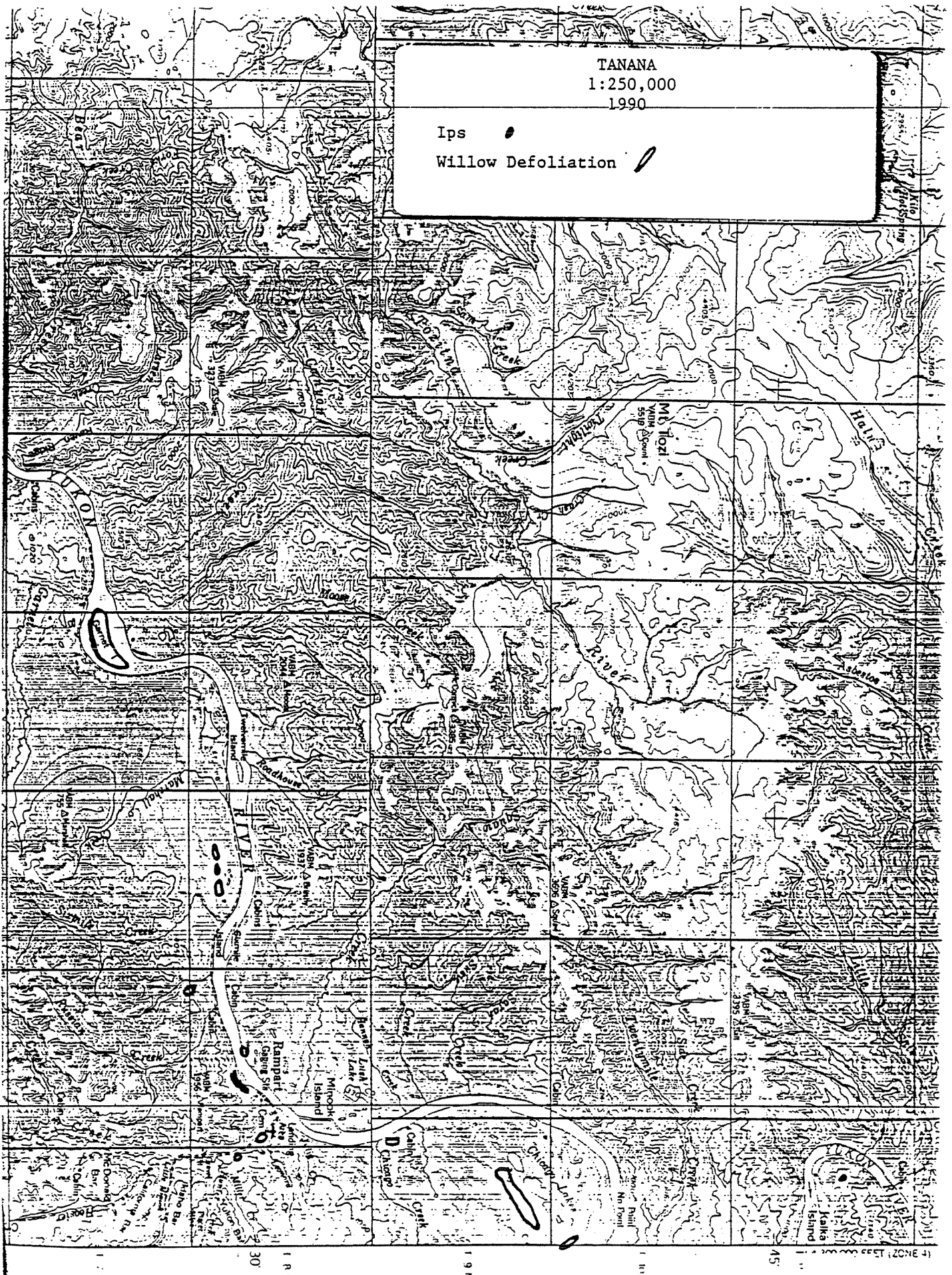
R 20

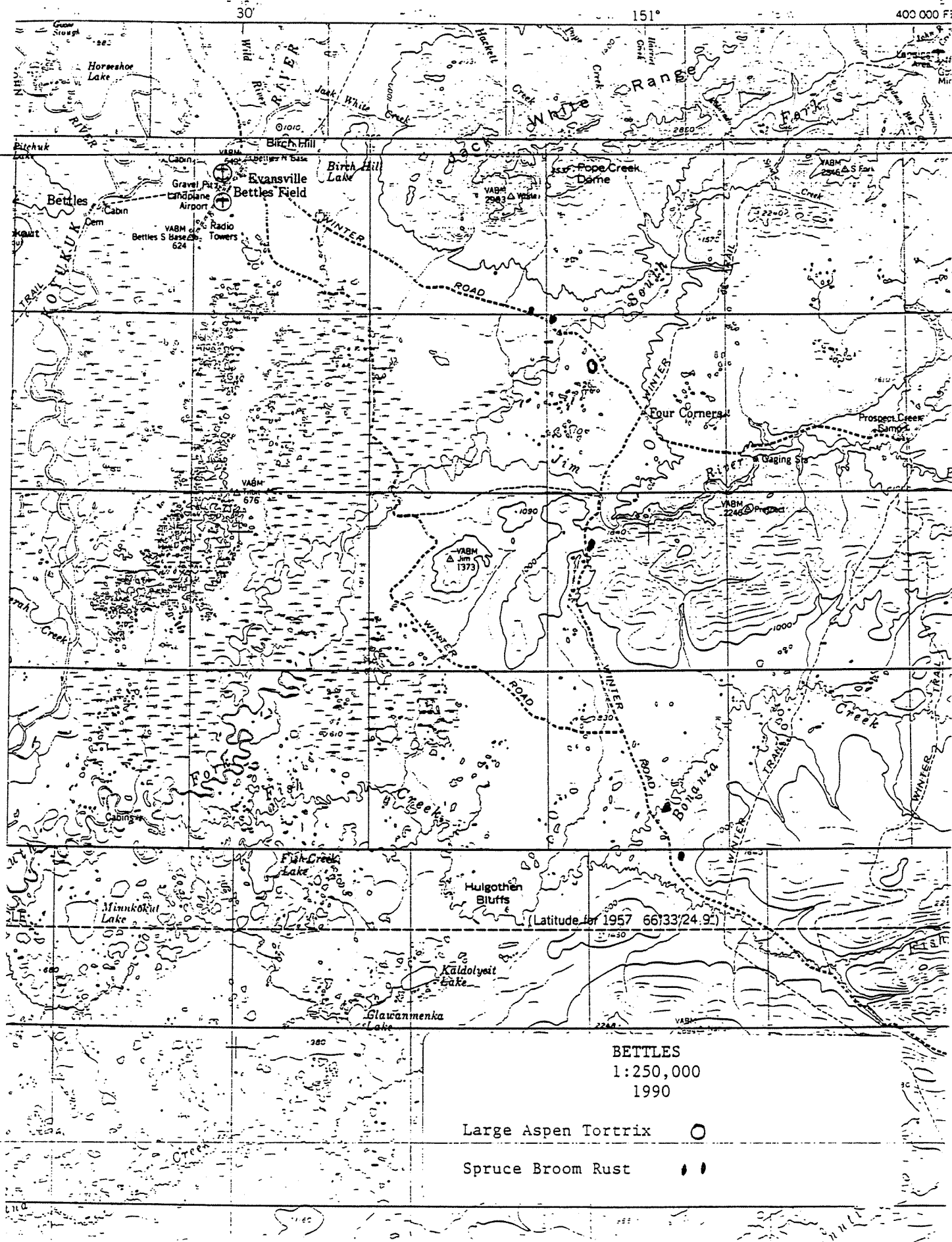
TANANA
1:250,000
1990

Willow Defoliation 0
Aspen Defoliation 0



Ips
Willow Defoliation





157° 42' W.

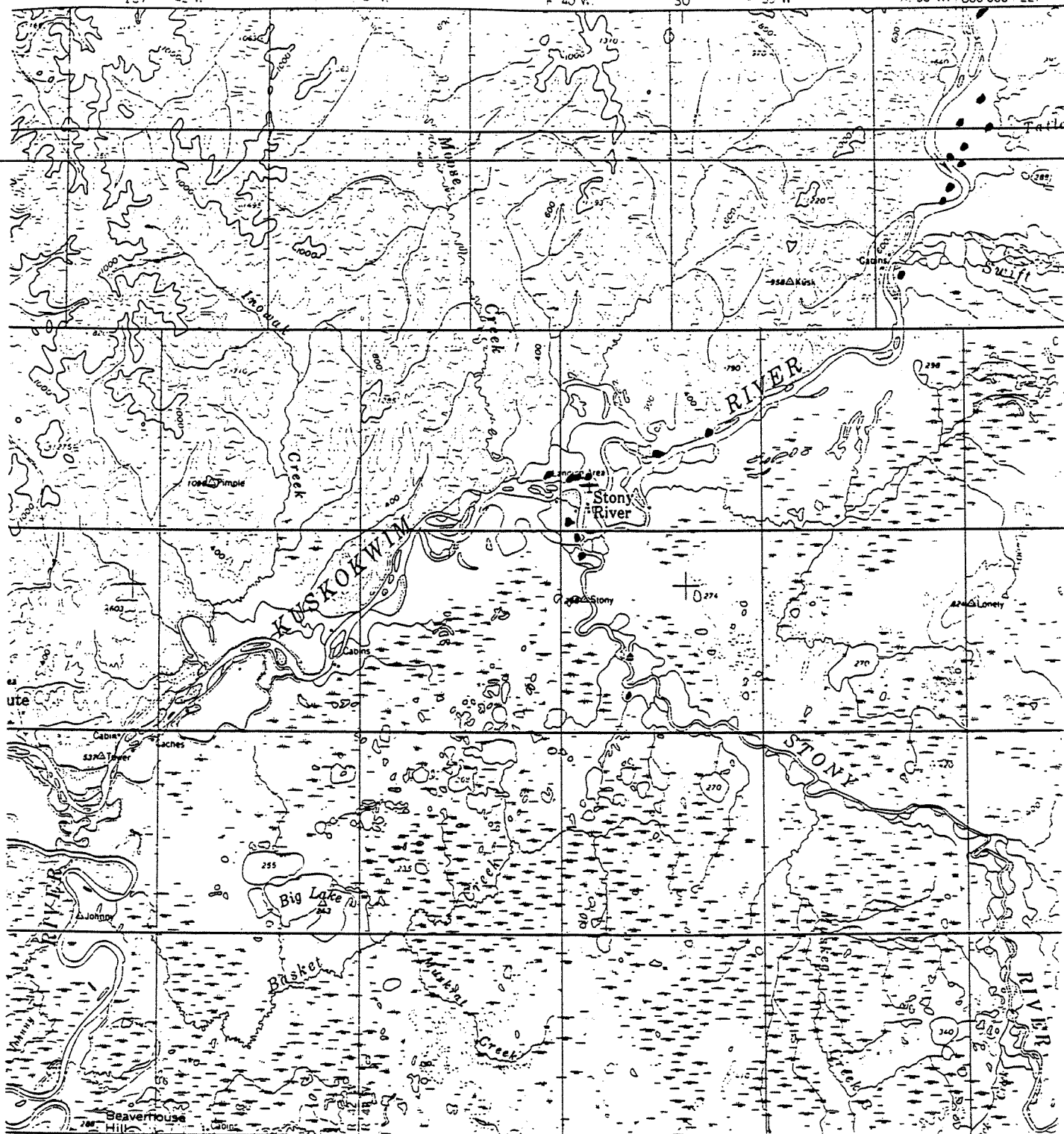
R. 21' N.

F. 40' W.

30'

F. 39' W.

R. 38' W. 800 000 FEET

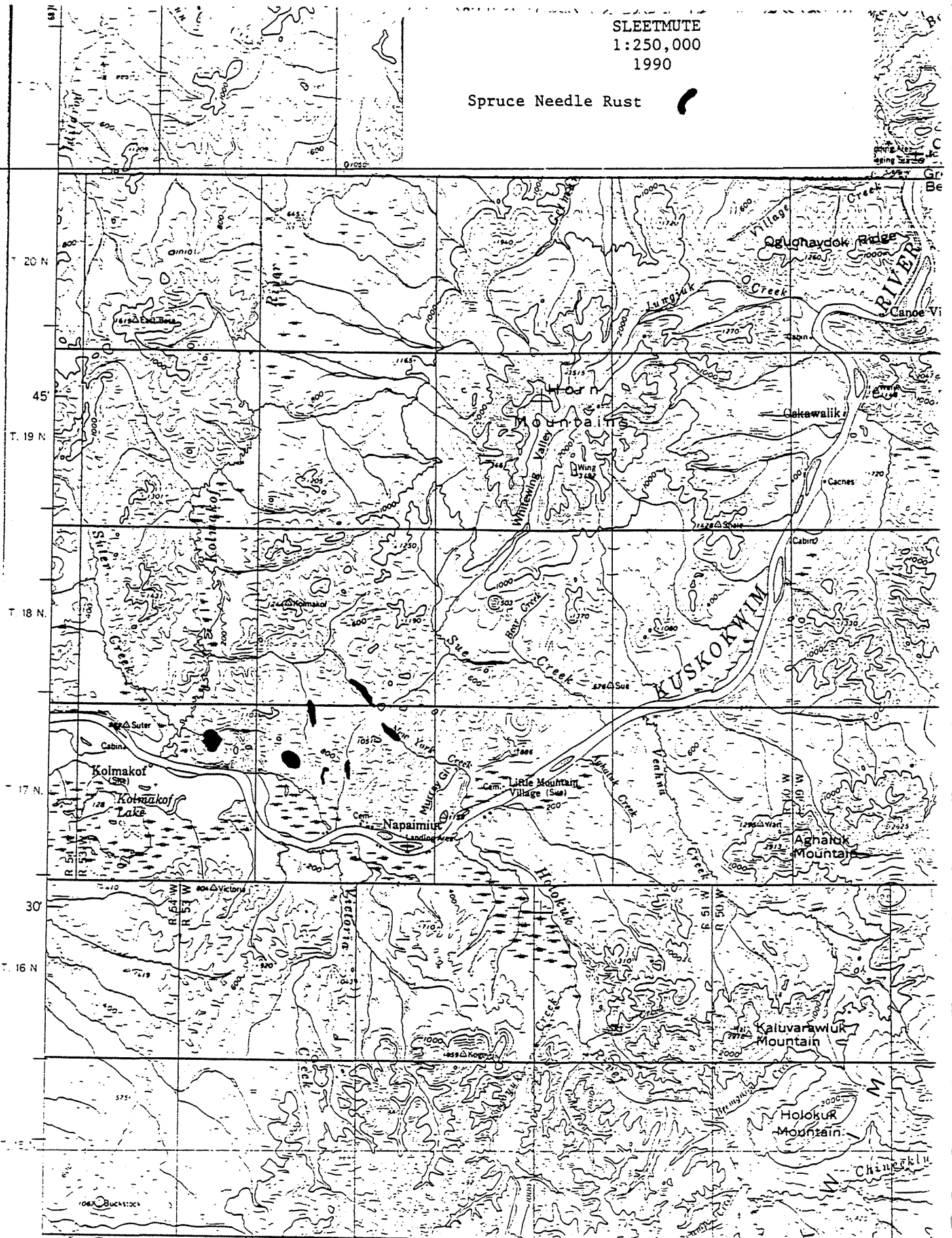


SLEETMUTE
1:250,000
1990

Spruce Beetle
Willow/Alder Defoliation

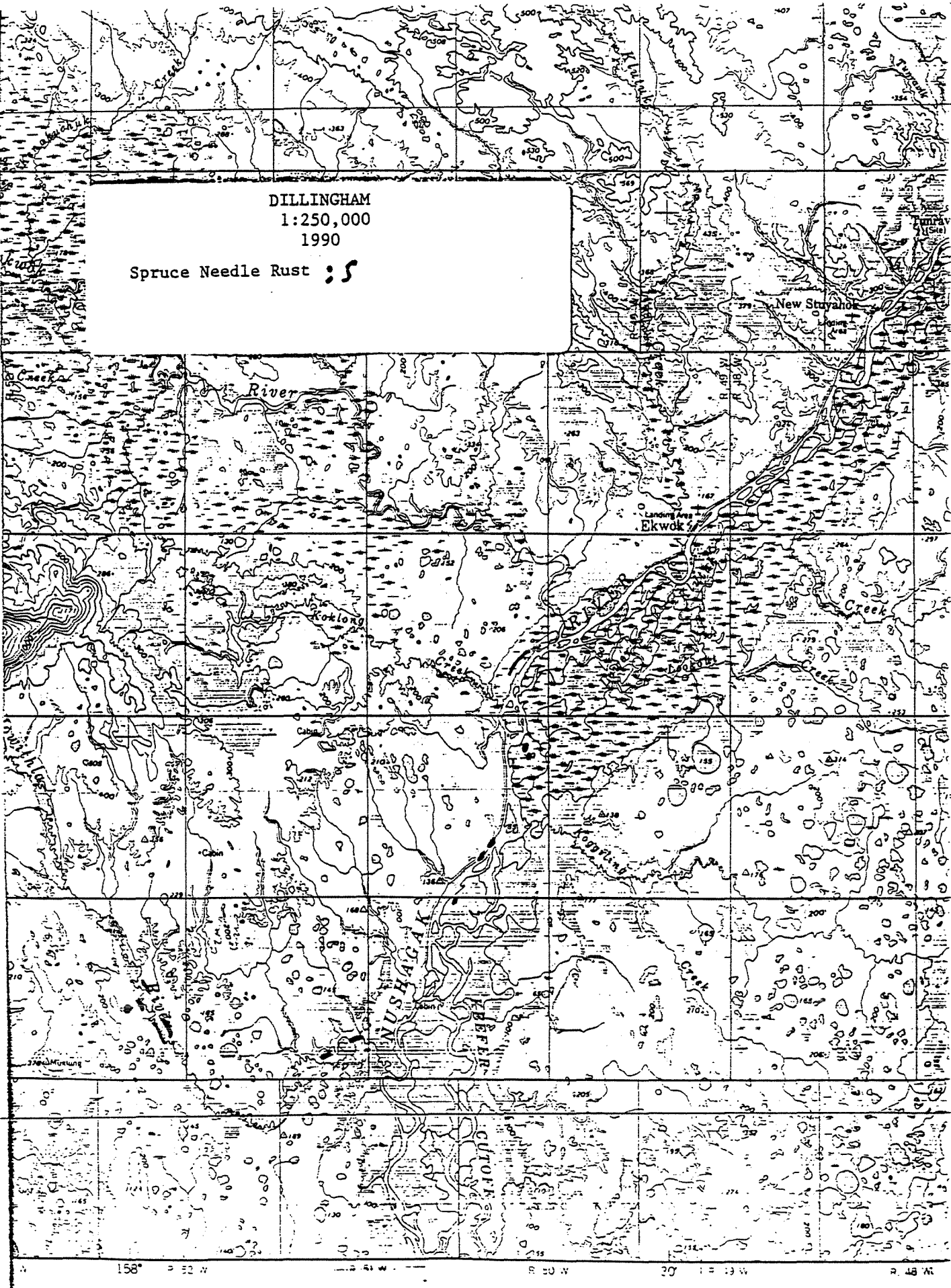
SLEETMUTE
1:250,000
1990

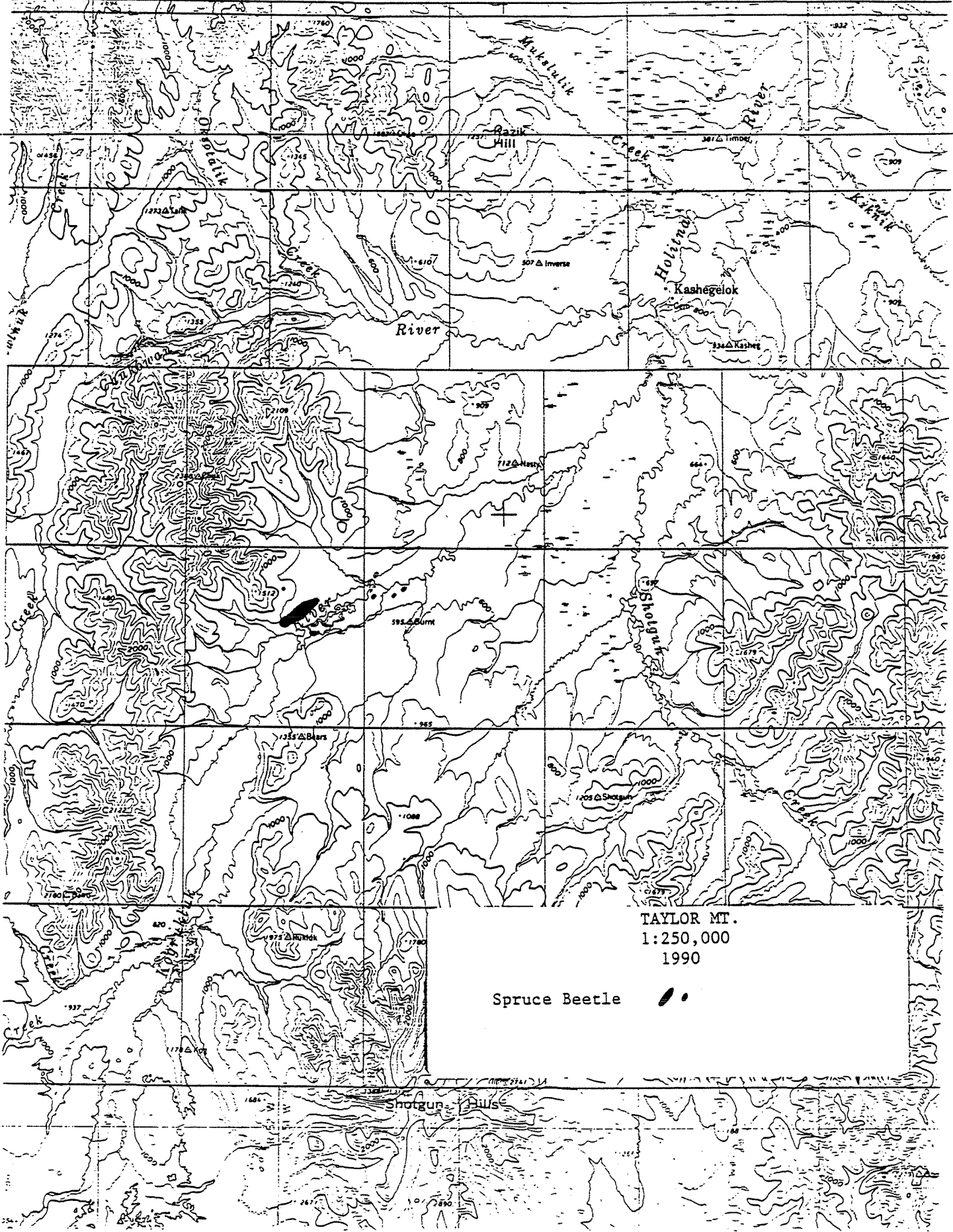
Spruce Needle Rust



DILLINGHAM
1:250,000
1990

Spruce Needle Rust : S





TAYLOR MT.
1:250,000
1990

Spruce Beetle

154°

153°

152°

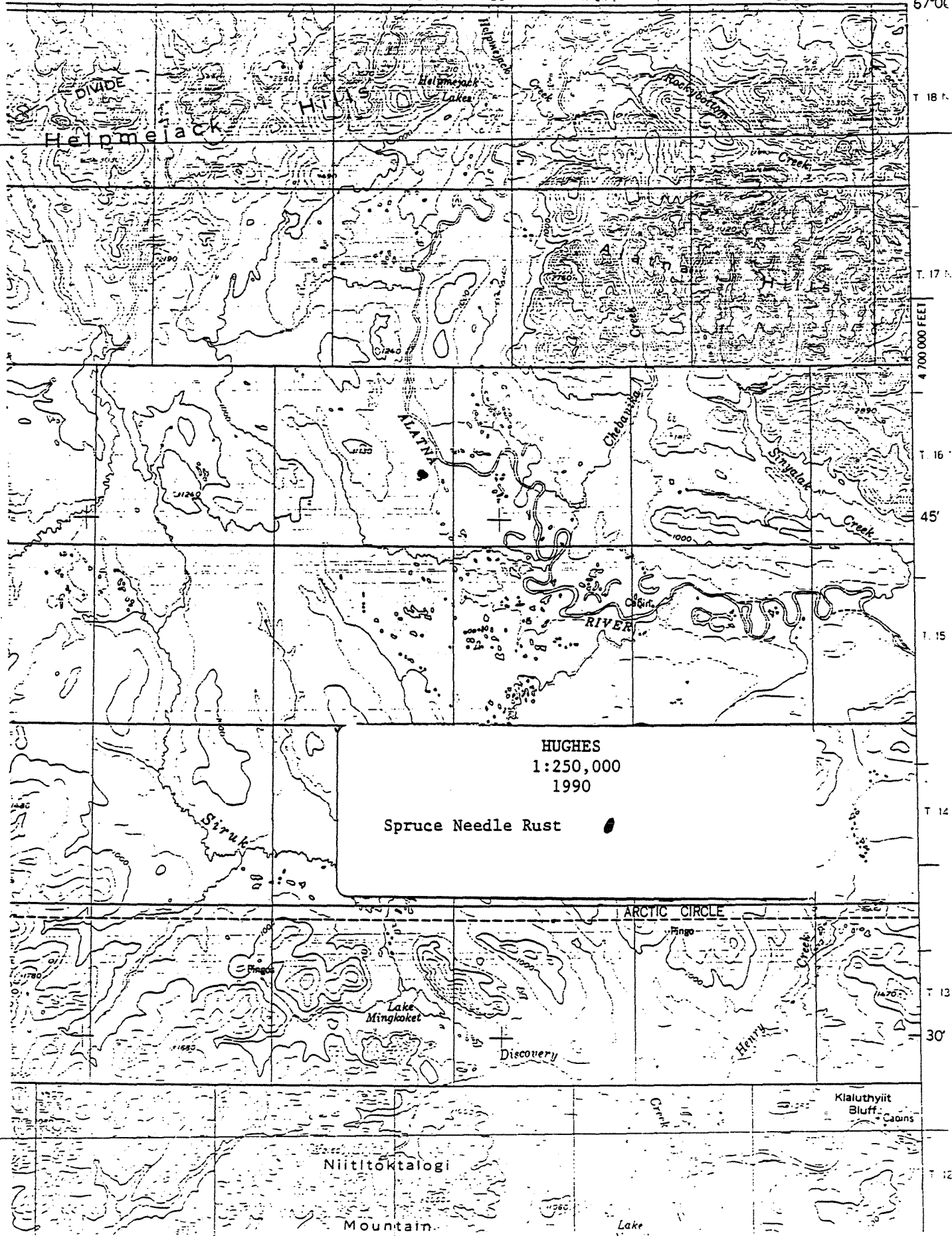
151°

150°

149°

153°00'

67°00'



HUGHES
1:250,000
1990

Spruce Needle Rust

ARCTIC CIRCLE

Niititoktalogi

Mountain

Lake

Kialuthiit
Bluff
Caons

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

Lake
Mingkoket

Pingo

Pingo

Heavy

Creek

Discovery

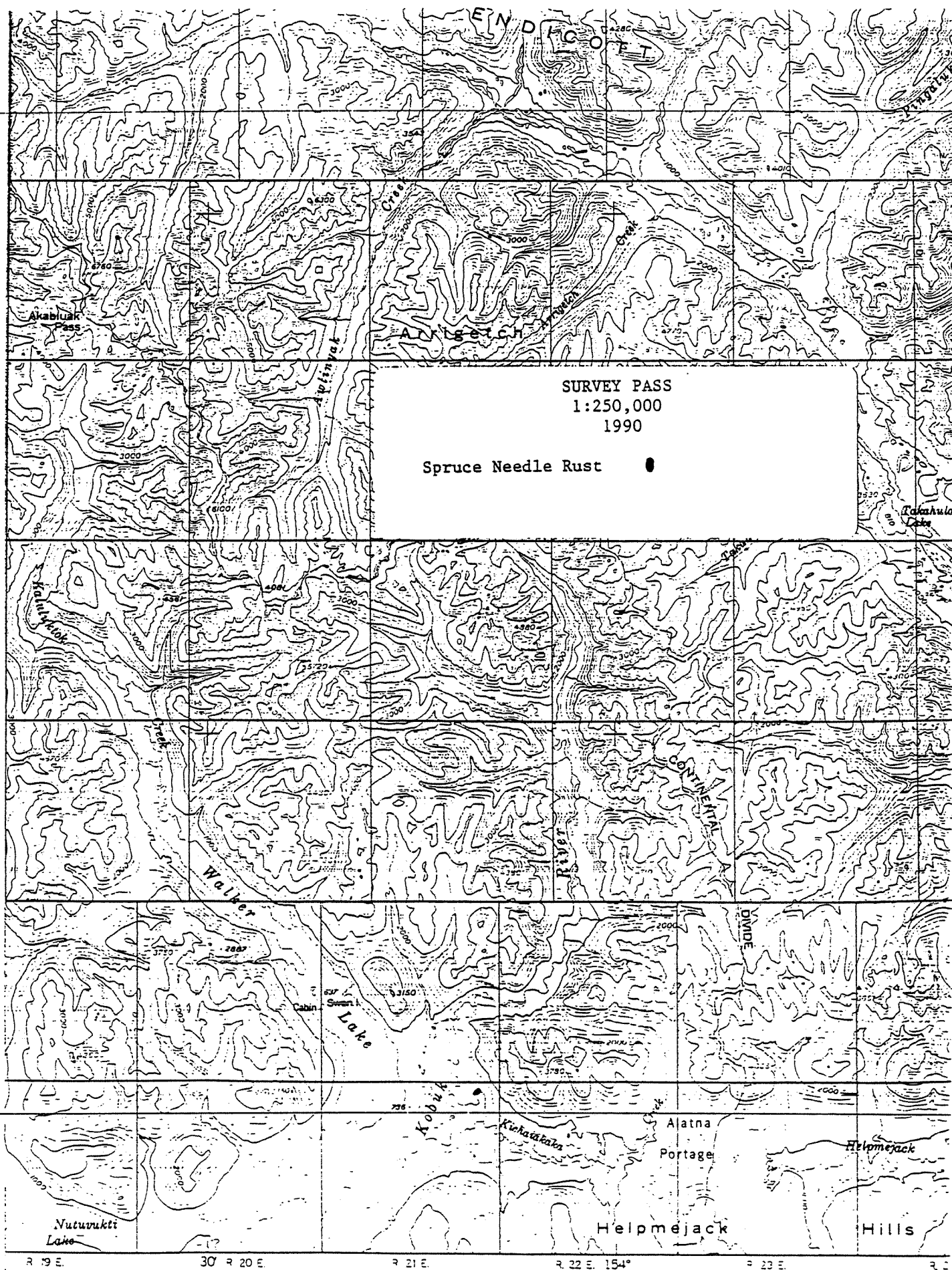
Lake
Mingkoket

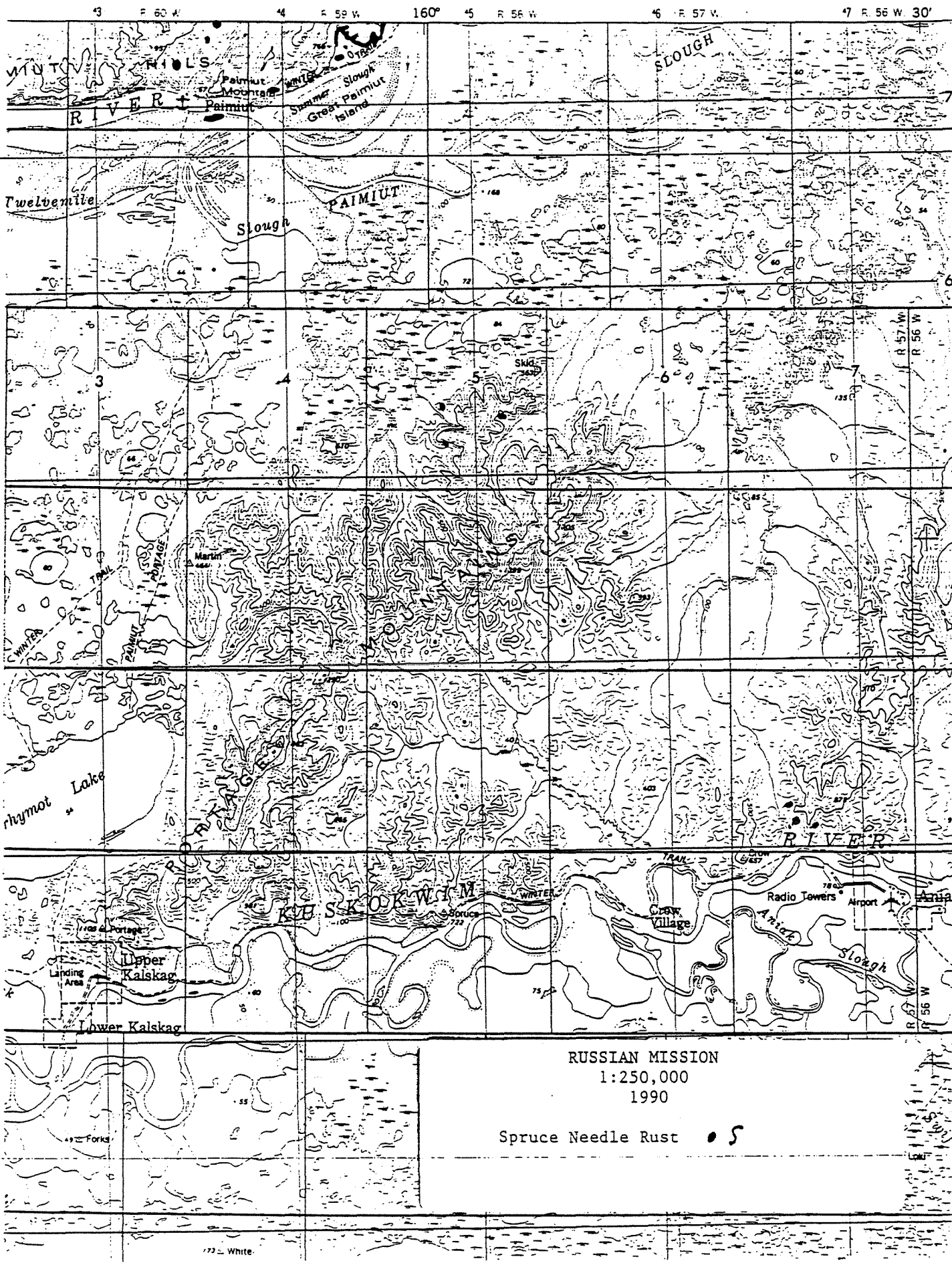
Pingo

Pingo

Heavy

Creek



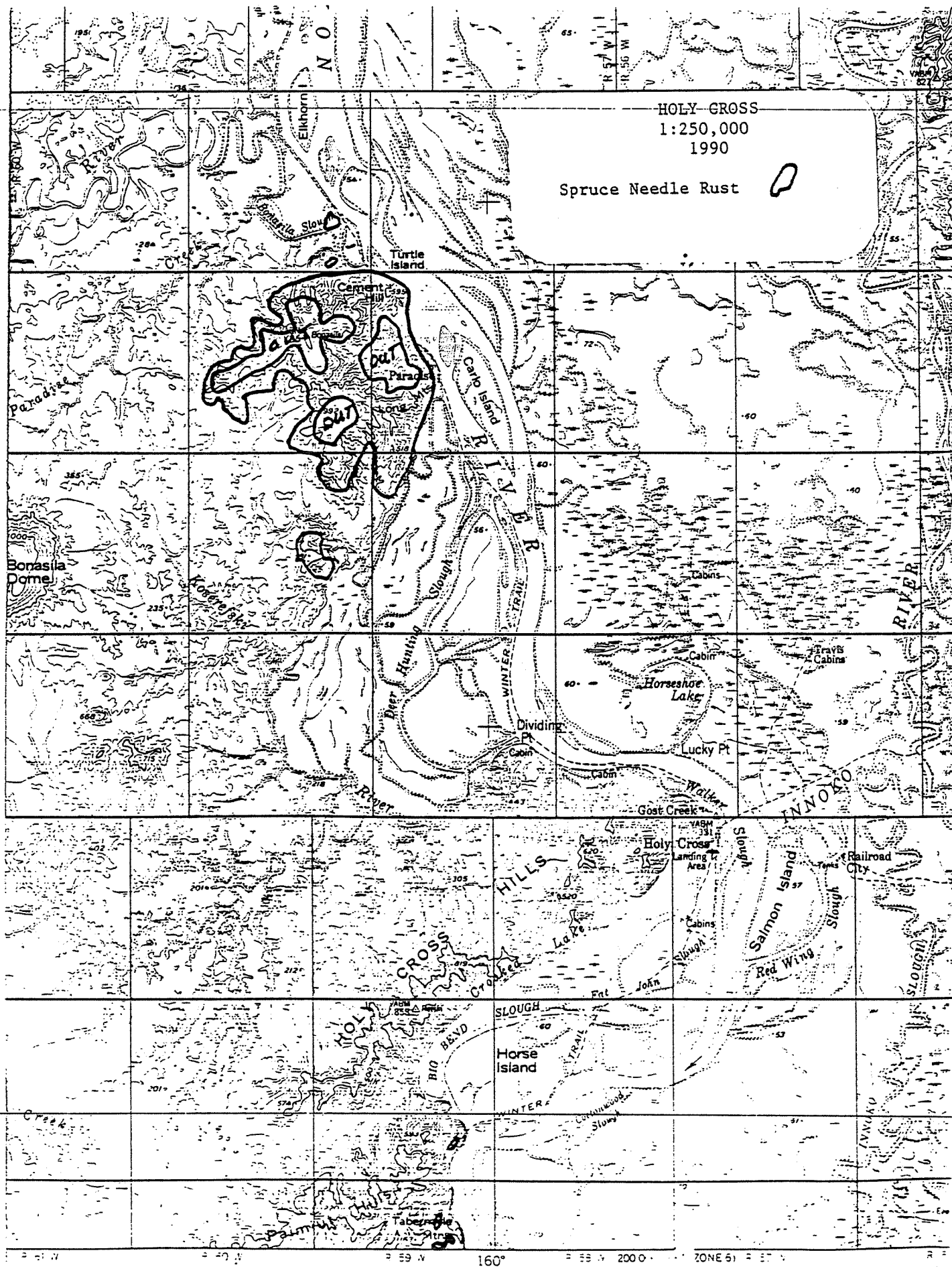


RUSSIAN MISSION

1:250,000

1990

Spruce Needle Rust



30

100 000 FEET (ZONE 6) F. 58 W.

F. 57 W.

160°

F. 56 W.

1 100 000 FEET (ZONE 7)

SEWARD

PROTRACTION

VABM
Road
2024

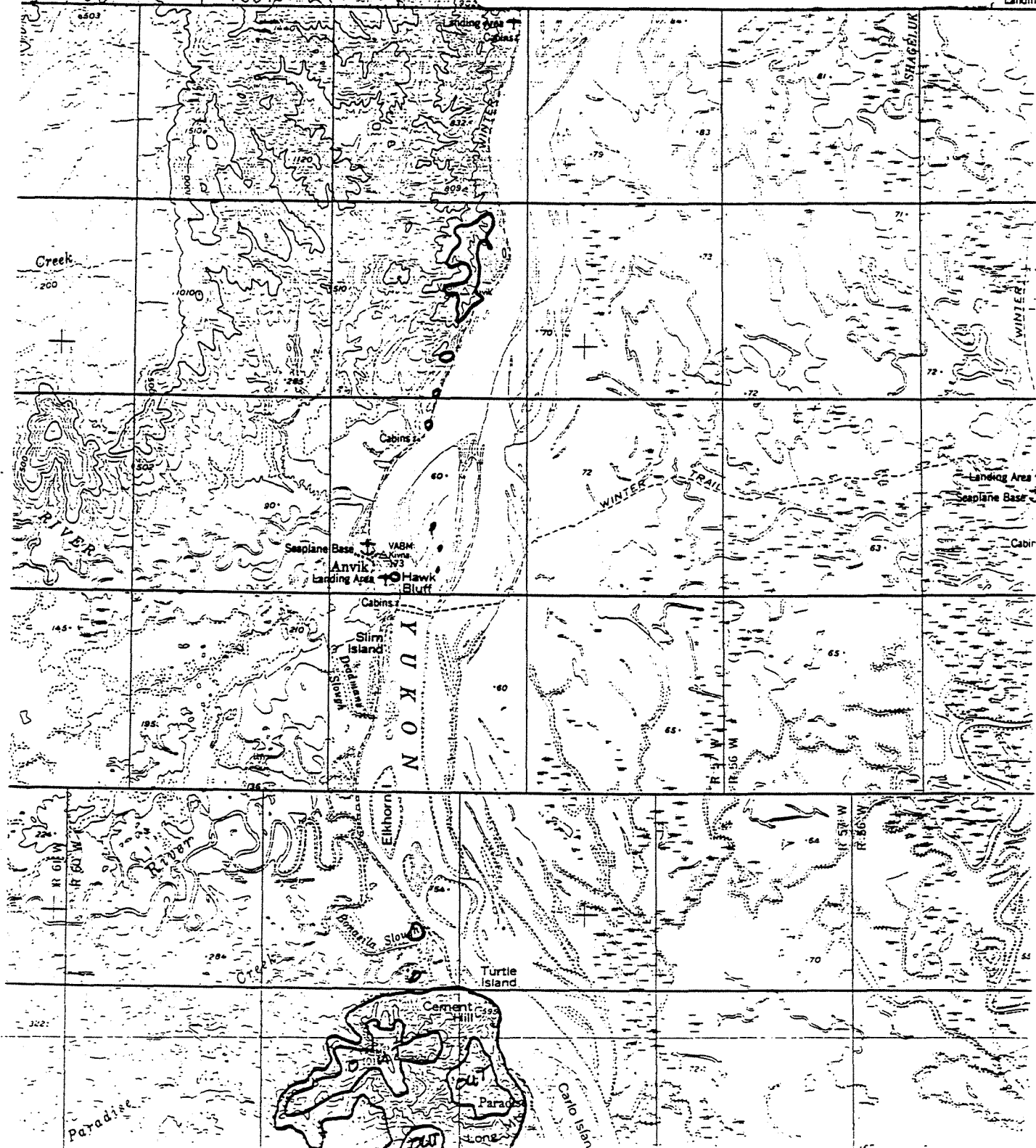
HOLY CROSS
1:250,000
1990

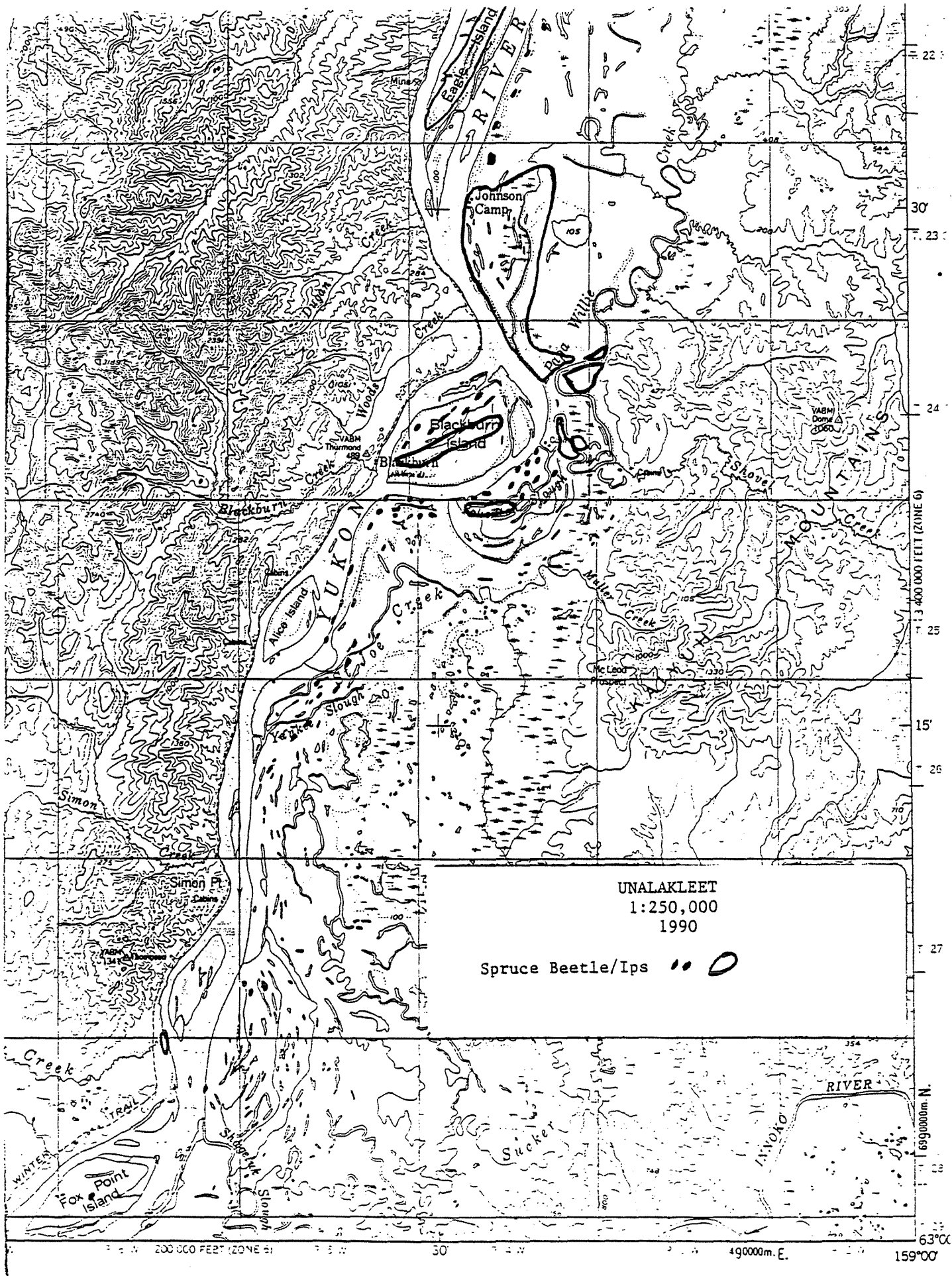
Spruce Beetle/Ips

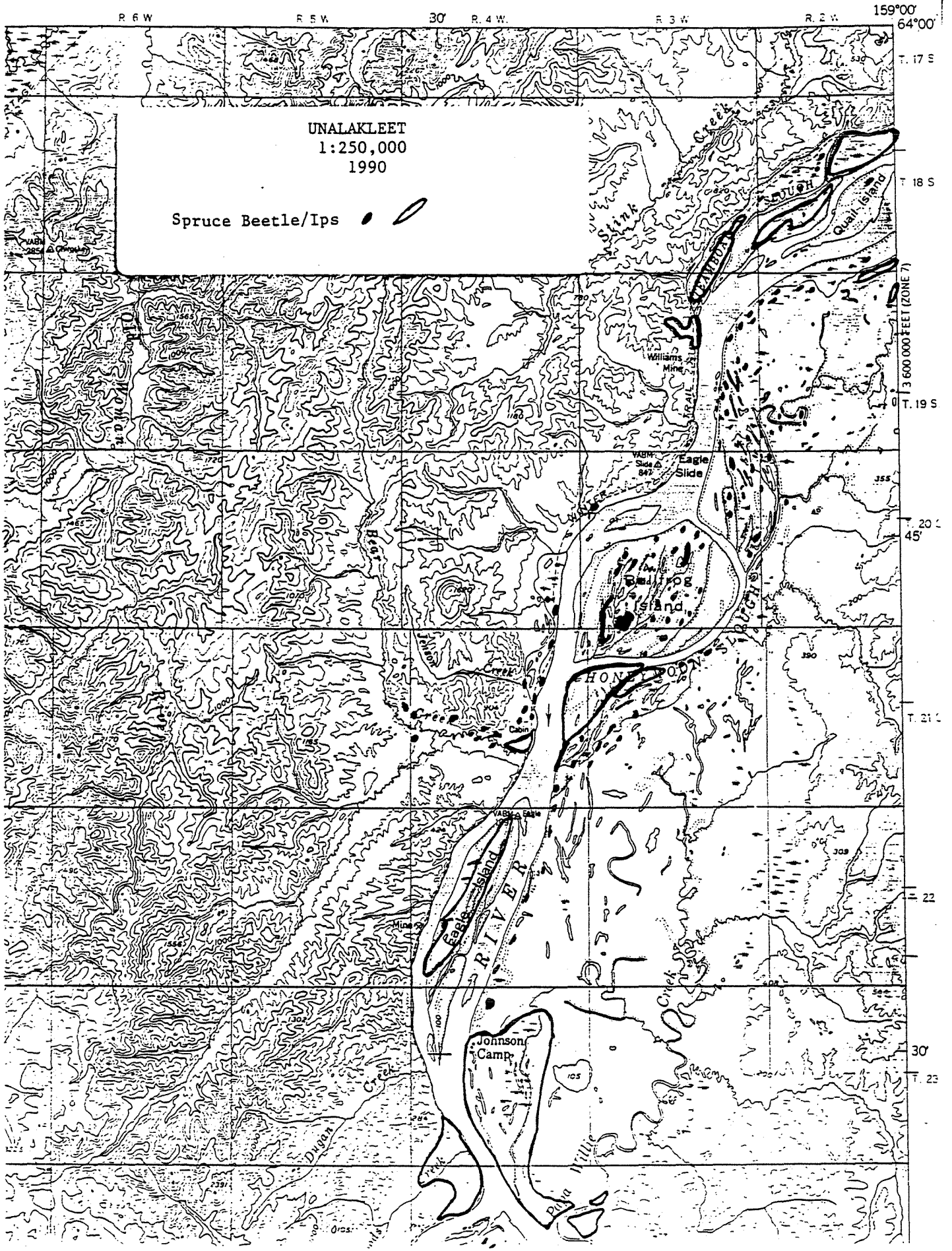
Spruce Needle Rust

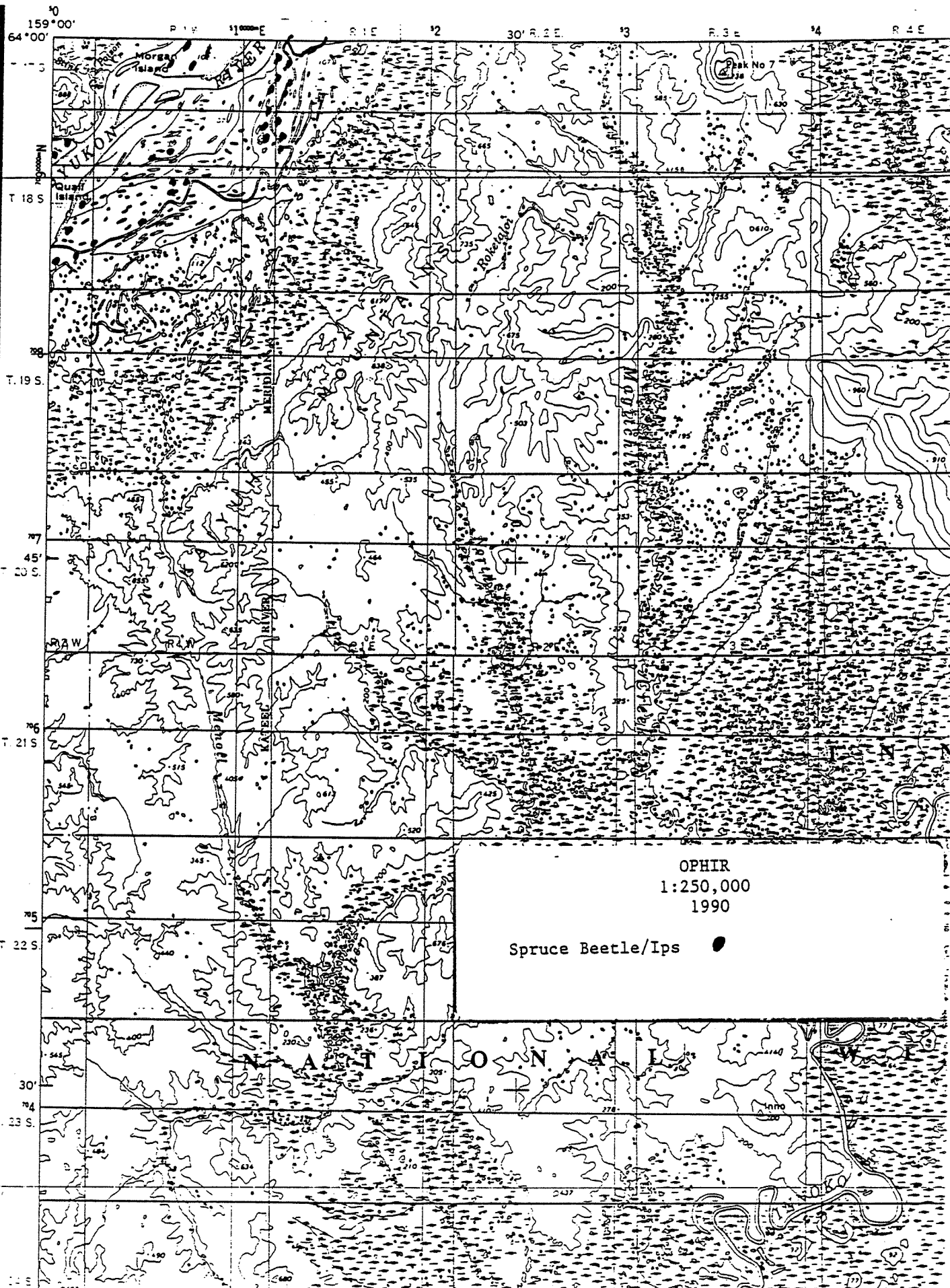
Holika

Holika
Landing











NULATO
1:250,000
1990

Spruce Beetle • ○

T. 11 S.

30'

T. 12 S.

T. 13 S.

T. 14 S.

15'

T. 15 S.

T. 16 S.

T. 17 S.

1:3 700 000 FEET

64°00'
159°00'

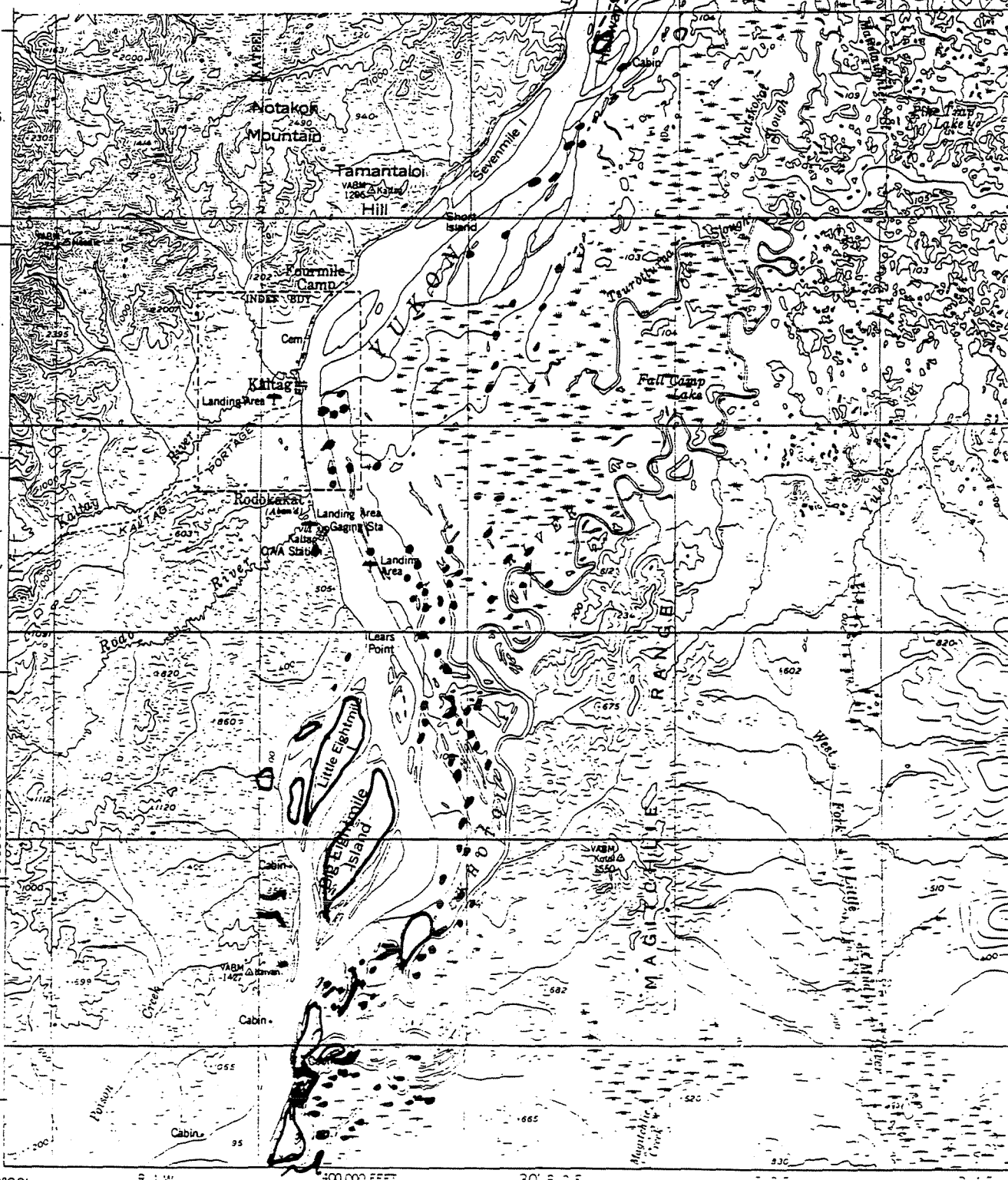
R. 1 W

400 000 FEET

30' R. 2 E

R. 3 E

R. 4 E



30°

158°

7.5 E.

4.6 E.

